

ULAN
COAL

GLENORE



Pollution Incident Response Management Plan

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1. Purpose

Ulan Coal Mines Pty Limited (UCMPL) holds Environment Protection Licence 394 (EPL 394), which incorporates Ulan West, Ulan Underground and Ulan Surface Operations, collectively referred to as the Ulan Mine Complex.

Section 153A of the *Protection of the Environment Operations Act 1997* (POEO Act) requires holders of Environmental Protection Licences (EPLs) to prepare, keep, test, and implement a Pollution Incident Response Management Plan (PIRMP).

This document has been developed to satisfy the PIRMP requirements.

2. Scope

The PIRMP applies to all employees and contractors of the Ulan Mine Complex.

The responsibilities for notification of pollution incidents is outlined in this document.

Pollution incidents that trigger the PIRMP are those that are determined by the Operations Manager in consultation with the Environment and Community Manager as a **material harm incident**. Section 147 of the *POEO Act*, defines a **material harm incident** as an incident that:

- involves *actual* or *potential* harm to the health or safety of human beings or to ecosystems that is not trivial¹; or
- results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000.00 (or such other amount as is prescribed by the regulations);² and
- loss includes 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.³
- It does not matter that harm to the environment is caused only in the premises where the pollution incident occurs.⁴

3. Regulatory Requirements

Table 3.1 lists information mandated under Section 153C of the *POEO Act* and clause 131 of the *Protection of the Environment Operation (General) Regulation 2021* details where this information is located in this document.

¹ s147(1)(a)(i), *Protection of the Environment Operations Act 1997* (NSW).

² s147(1)(a)(ii), *Protection of the Environment Operations Act 1997* (NSW).

³ s147(1)(b), *Protection of the Environment Operations Act 1997* (NSW).

⁴ s147(2), *Protection of the Environment Operations Act 1997* (NSW).

Table 3.1 - Regulatory Requirements

Detail Required		Plan Location
(a) ⁵	<p>The procedures to be followed by the holder of the relevant EPL in notifying a pollution incident to:</p> <p>(i) The owners or occupiers of premises in the vicinity of the premises to which the EPL relates;</p> <p>(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</p> <p>(iii) Any persons or authorities required to be notified by Part 5.7 (of the POEO Act).</p>	<p>Section 8.3</p> <p>Section 7.2</p> <p>Section 7.2</p>
(b) ⁶	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 7.3
(c) ⁷	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 7.2
(d) ⁸	<p>Any other matter required by the regulations (as set out below):</p> <p>A description of the hazards to human health or the environment associated with the activity to which the licence relates (the 'relevant activity').</p> <p>The likelihood of any such hazards occurring, including details of any conditions or events that could, or would, increase that likelihood.</p> <p>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.</p> <p>An inventory of potential pollutants on the premises or used in carrying out the relevant activity.</p> <p>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.</p> <p>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.</p> <p>The names, positions and 24-hour contact details of those key individuals who:</p> <ol style="list-style-type: none"> are responsible for activating the plan; are authorised to notify relevant authorities under section 148 of the POEO Act; and are responsible for managing the response to a pollution incident. <p>The contact details of each relevant authority referred to in section 148 of the POEO Act.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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,</p>	<p>Section 5</p> <p>Section 5</p> <p>Section 5</p> <p>Section 6</p> <p>Appendix E -</p> <p>Table 7.3</p> <p>Section 7.2</p> <p>Section 7.2</p> <p>Section 7.2</p> <p>Section 8.3</p> <p>Section 8.4</p> <p>Section 7.3</p> <p>Appendix B -</p>

⁵ s153C(a), *Protection of the Environment Operations Act 1997* (NSW).

⁶s153C(b), *ibid.*

⁷ s153C(c), *ibid.*

⁸s153C(d), *ibid.*

Detail Required		Plan Location
	and the action to be taken during or immediately after a pollution incident to reduce that risk.	Section 7.3
	The nature and objectives of any staff training program in relation to the plan.	Section 9
	The dates on which the plan has been tested and the name of the person who carried out the test.	Section 11
	The dates on which the plan is updated.	Section Error! Reference source not found.
	The manner in which the plan is to be tested and maintained. ⁹	Section 11

4. Site Details

The Ulan Mine Complex is approximately 45 kilometres north-northeast of Mudgee and 19 kilometres northeast of Gulgong situated in the central west of New South Wales (NSW) in the Mid-Western Regional Council (MWRC) Local Government Area (LGA) near the village of Ulan. Ulan Mine Complex is 100% owned and managed by Glencore.

The surrounding area which may potentially be impacted by a pollution incident occurring at the Ulan Mine Complex, in addition to the premises itself may include the following:

- landholders adjacent to the mine complex (refer to **Appendix C -**);
- downstream water courses (including inundation areas and adjacent landholders): Spring Gully, Ulan Creek, Bobadeen Creek, Curra Creek, Sportsmans Hollow Creek and Moolarben Creek which subsequently flow into the Goulburn River, and Mona Creek and Cockabutta Creek which subsequently flow into the Talbragar River; and
- nearby townships of Ulan village, Mudgee, Gulgong, Merriwa (refer to **Appendix C -**).

5. Hazard Identification and Risk Management

The potential hazards and their likelihood of occurring which have been identified for the Ulan Mine Complex 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 (e.g. dam failure, unauthorised discharge);
- fire (e.g. spontaneous combustion fires associated with coal stockpiles);
- explosions (e.g. blasting activities);
- Dust; and
- Fume.

⁹ c 131, *Protection of the Environment Operations (General) Regulation 2021*.

The potential environmental hazards occurring at the Ulan Mine Complex are captured through the Environment and Community Risk Register.

6. Inventory of Pollutants

6.1 Hydrocarbons and Hazardous Chemicals

Hazardous substances and their Safety Data Sheets (SDS) are recorded in a central register 'ChemAlert,' available on the site intranet. Hard copies are available at the store's areas.

The site maintains a Dangerous Goods Notification with Safework NSW (attached as **Appendix E -**) which specifies the location and quantity of dangerous goods on-site. Dangerous goods storage locations are shown in **Appendix D -**

Explosives are not stored on site. When blasting is required for mining activities, explosives are obtained and brought on-site by a licensed contractor.

6.2 Pollutants created as part of mining operations

Through mining activities, several potential pollutants are created, including:

- mine tailings;
- mine water (extracted from underground and open cut mine workings);
- sediment laden surface water runoff from disturbed areas; and
- effluent waste.

Appendix D -displays the location of potential pollutants including tailings dams, water management infrastructure, licensed water discharge points, waste emplacement areas, and effluent ponds.

6.3 Mine Dam Failure

Table 6.1 outlines the maximum capacity and operating capacity of Mine Dams within the Ulan Mine Complex.¹⁰

The current level of Mine Dams is monitored via the real time monitoring network Citect which is set up with high level alarms which activate a Trigger Action Response Plan initiated by the Ulan Underground Control Room. The latest Mine Dam levels can be obtained real time from Citect.

¹⁰ Farm dams are not included.

Table 6.1 – Mine Dam Volumes

Mine Dam	Maximum Capacity (ML)	Operating Capacity (ML)
Blend Dam	12	12
Bobadeen Dam	502	200
Box Cut Sump (Ulan Underground)		2
Box Cut Sump Ulan West	Unknown	Unknown
Car Wash Dam	5	1.5
CHPP Lagoons	191	37
Compressor Dam	3	1
Duck Pond Dam	Unknown	Unknown
East Pit	24,000	2000
East Pit Tailings	1,500	80
Leonards Dam	6	0
Millers Dam	35	25
Moolarben Dam	166.5	166.5
North West Sediment Dam	37	37
Peanut Dam	92	0
Peters Dam	28	5
Rowans Dam	137	100
Shearers Dam	60	7
Truckfill Dam	20	1
Wrights Dam	17	6

7. Management and Responsibilities

7.1 Legal Duty to Notify

All employees and contractors undertaking an activity at Ulan Mine Complex must, immediately after becoming aware of any potential incident, notify their relevant manager, supervisor or task coordinator of the incident and provide all relevant information about it.¹¹

¹¹ s148(3), *Protection of the Environment Operations Act 1997*.

It is the responsibility of the Operations Manager and Environment and Community Manager to notify all pollution incidents that are classified as **material harm incidents**.¹²

7.2 PIRMP Management

The specific responsibilities associated with the management and implementation of the PIRMP is outlined in **Table 7.1** below.

Table 7.1 - PIRMP Management Responsibilities

Name	Contact Details	Position	Responsibility
Peter Ostermann	Work: 02 6372 5306 Mob: 0411 204 903 Peter.Ostermann@glencore.com.au	General Manager – UCML Complex	Responsible for authorising the PIRMP and all subsequent updates. Responsible for ensuring adequate resourcing for implementation of the PIRMP. Authorised to liaise with the relevant authority. Responsible for undertaking notification as defined in this PIRMP. Responsible for managing the response to a pollution incident.
David Ribaux	Work: 02 6372 5327 Mob: 0419 211 904 David.Ribaux@glencore.com.au	Operations Manager – Ulan Underground	Responsible for undertaking notification as defined in this PIRMP. Responsible for managing the response to a pollution incident.
Sam Wiseman	Work: 02 6372 5404 Mob: 0400 369 960 Sam.Wiseman@glencore.com.au	Operations Manager - Ulan Surface Operations	
Matthew Stone	Work: 02 6370 9301 Mob: 0437 274 917 Matthew.Stone@glencore.com.au	Operations Manager - Ulan West Underground Operations	
Lucy Stuart	Work: 02 6372 5368 Mob: 0400 661 749 Lucy.Stuart@glencore.com.au	Environment and Community Manager – UCML 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 ensuring notification and training of PIRMP. Responsible for coordinating communications with affected community members.
Amanda Sales	Work: 02 6372 5199 Mob: 0486 007 781 Amanda.Sales@glencore.com.au	Environment and Community Coordinator – UCML Complex	Responsible for undertaking notification as defined in this PIRMP.
Mathew Croake	Work: 02 6372 5308 Mob: 0436 001 803 Mathew.Croake@glencore.com.au	Environment & Community	Responsible for coordinating the response to a pollution incident.

¹² s148(3A), *Protection of the Environment Operations Act 1997*.

Name	Contact Details	Position	Responsibility
		Coordinator – UCMPL Complex	Facilitate site personnel in implementation of the PIRMP. Communication of the PIRMP to site personnel.

7.3 PIRMP Activation and Implementation

Where the PIRMP has been activated and there is an immediate threat to human health or property, prior to any other action, the site must contact Fire and Rescue (1300 729 579). Fire and Rescue NSW are the first responders, as they are responsible for controlling and containing incidents.

Where the PIRMP is activated and there is no threat to human health or property, Fire and Rescue NSW must still be contacted for information purposes, but as the last point of contact as detailed in **Section 8.3**.

In the event of a pollution incident, immediate action must be taken to:

- provide for the safety of people at and within the vicinity of the site, and
- contain and control the pollution incident.

In addition, the actions to be implemented at the Ulan Mine Complex in the event of an incident include the following:

1. Secure the scene and contain the incident;
2. Immediately notify the relevant Operations Manager and/or Environment and Community Manager as specified in **Section 8.1**, who will immediately implement external notifications as appropriate and defined in this plan;
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.¹³

The following documents describe the roles and accountabilities of key personnel in an event of an emergency, the contact details for appropriate emergency services, designated evacuation procedures and points, and a description and location of safety equipment that is available to minimise risk of harm to people and the environment as result of a pollution incident, and for containing or controlling a pollution incident, are included in the following documentation:

Table 7.2 - Emergency Plans

Operation	Document Number	Document Name
Ulan Underground	ULNUG-849165555-85	Emergency Preparedness
	ULNUG-849165555-9622	Emergency Management Control Plan

¹³ 6.0 Incident Standard GCAA-625378177-9992.

Ulan West Underground	ULWUG-729531900-133	Emergency Management Plan
	ULWUG-729531900-472	Emergency Response Procedure
Ulan Open Cut	ULNOC-1105874907-3102	Emergency Preparedness Plan
	ULNOC-1105874907-2285	Emergency Response Control Plan

Trigger Action Response Plans (TARPS) and procedures manage specific major hazards identified in **Section 5. Table 7.3** below provides reference to additional procedures which will be used in the event that a specific hazard requires an emergency response to be initiated.

Table 7.3 - Ulan Mine Complex Hazards and Emergency Response Documentation

Hazard	Ulan Mine Complex Emergency Management Plan - TARP
Spills (e.g. hydrocarbon, hazardous chemicals, etc) resulting in land and or water contamination.	Spill Response Procedure ULNCX-111515275-1745
Major water discharge (e.g. dam failure or inrush).	Moolarben Dam Safety Emergency Plan ULNCX-111515275-857 Withdrawal Conditions ULU SD PLN 0020 (Ulan Underground) Withdrawal Conditions ULWUG-729531900-127 (Ulan West)
Fire (for example spontaneous combustion fires associated with coal stockpiles).	Bushfire Management Plan ULNCX-111515275-2049 Fire or Explosion Principle Hazard Management Plan ULNOC-1105874907-1558 (Surface Operations) Withdrawal Conditions ULNUG-849165555-6784 (Ulan Underground) Withdrawal Conditions ULWUG-729531900-127 (Ulan West)
Explosions (only associated with open cut mining activities).	Fire or Explosion Principle Hazard Management Plan ULNOC-1105874907-1558 (Surface Operations)

8. Notification Procedures

8.1 Internal Notification

As discussed in **Section 7.1**, all employees and contractors undertaking an activity at Ulan Mine Complex must, immediately after becoming aware of any potential incident, notify their relevant manager, supervisor or task coordinator of the incident and provide all relevant information about it.

The manager, supervisor or task coordinator, shall then report it **immediately** to the Environment and Community Manager, or any member of the environmental team.

The Environment and Community Manager or Operations Manager shall **immediately** report to the relevant agencies (see **Table 8.1** PIRMP notification requirements).

“Immediately” is taken to mean ‘promptly and without delay’¹⁴.

8.2 Determination of Material Harm

Following notification of the incident, the Operations Manager in consultation with the Environment and Community Manager must take immediate action to classify the incident. If the incident is classified as a ‘**material harm incident**’, they must immediately implement the PIRMP.¹⁵

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

8.3 External Notification

External notifications will be completed by authorised by **Table 7.1-** PIRMP Management Responsibilities.

The agencies listed in **Table 8.1** must be contacted in the order outlined below:

Table 8.1 - PIRMP Notification Requirements

Agency	Contact Details
Fire and Rescue	To be contacted first in this order if the incident presents an immediate threat to human health or property and emergency services are required , or last in this order if emergency response is not required). 1300 729 579. Back up phone number to the above hotline: (02) 9469 3111
Agency	Contact Details
EPA Record the EPA Notification number for reference in all related correspondence.	131 555 and Press 1 to report a pollution incident. Incident Number:
Ministry of Health	Public Health Line 1300 066 055 (will be transferred to Dubbo Office or Broken Hill) and press 5. After Hours (17:00 – 08:30) & Weekends On Call: 0418 866 397 Alternative contact: Dubbo Office (02) 6809 8979, or direct to Mark Nave (Senior Environmental Health Officer) 0407 551 548.
Mid Western Regional Council	Work Hours: (02) 6378 2850 After Hours: 1300 765 002 (16:30 – 08:00) and send an email confirming incident details to council@midwestern.nsw.gov.au
Department of Planning and Environment (DP&E)	Email: nswresourcesregulator@service-now.com Identify the project as Ulan Coal Mines Pty Limited PA08_0184 and set out the location, nature of the incident and immediate responses undertaken.
Other Stakeholders	Refer to Stakeholder Database

Reportable incidents will trigger entries in the actions database as follows:

- 1 Provide written report to relevant agencies within 7 days (detailed reports, as delivered will be uploaded to the actions database to complete this action); and
- 2 Conduct review of PIRMP within 1 month of incident.

¹⁴ EPA, *Frequently Asked Questions Regarding the Duty to Notify of a Pollution Incident* (last updated 30 August 2017) <
<http://www.epa.nsw.gov.au/legislation/poefagsnotify.htm>>

¹⁵ s153F *Protection of the Environment Operations Act 1997*.

In addition to being detailed in this document, procedures for undertaking internal and external notification are included in *Environmental Management Strategy*¹⁶.

Record keeping of incident details, including investigations and outcomes, will be undertaken in accordance with the *Environmental Management Strategy*¹⁷.

8.4 Notification to Local Landholders and Community

Community notification shall be undertaken at the determination of the Environment and Community Manager. Names and contact details of stakeholders, including (local and downstream residents, Other Agencies such as NPWS) are included in the UCMPL Stakeholder Database. The following notification methodology is proposed to be utilised as required:

- **early warnings:** same day telephone notification to landholders who may be affected by the incident over the subsequent 24 hour period; and
- **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, UCMPL website, media statements or any other strategy as defined in the *Stakeholder Engagement Plan*¹⁸.

Priority will be granted to notification of sensitive premises in close proximity such as schools, pre-schools, nursing homes and hospitals. 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 local landholders and the community;
- site contact details; and
- advice or recommendations based on the incident type and scale.

9. Training, Testing and Communication

9.1 Training

All Ulan Mine Complex employees and contractors receive instruction or explanation on the relevant parts of the document as per *Environmental Management Strategy* Environment and Community Training Needs Analysis¹⁹.

Incident management and emergency response is included in all Glencore Generic and UCMPL inductions, and each operation has a dedicated emergency response team who undergo regular training and operational drills.

Training records are maintained consistent with each site's training plan.

¹⁶ ULNCX- 111515275- 870.

¹⁷ ULNCX- 111515275- 870.

¹⁸ ULNCX-111515275-3537.

¹⁹ Appendix C, ULNCX-111515275-870.

9.2 Testing²⁰, Review and Maintenance

Testing of the PIRMP must 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.²¹ 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. Testing will include all components of the plan, including training requirements;
2. a review of the PIRMP will occur routinely at least every 12 months.²² Contact details in this document must be kept current at all times; and
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, whether 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.²³

Information to be retained regarding PIRMP testing includes:

- the manner in which the test was undertaken;
- dates when the 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.

10. Availability of the PIRMP

The PIRMP shall be kept in written form at the EPL premises or where the relevant activity takes place,²⁴ shall be made available to all personnel responsible for implementing the plan²⁵, and to an authorised officer (as defined in the POEO Act) on request.²⁶

The PIRMP will be made publicly available within 14 days of finalisation (taken to be authorisation of the PIRMP by the UCMPL General Manager) via the UCMPL website, in a prominent position and on a publicly available page.²⁷ A copy of the PIRMP will be provided, without charge, to any person who makes a written request for a copy within 14 days of the request.²⁸ 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.²⁹

²⁰ s153E, *Protection of the Environment Operations Act 1997*.

²¹ Clause 133(1) *Protection of the Environment Operations (General) Regulation 2021*.

²² Clause 133(2)(a) *Protection of the Environment Operations (General) Regulation 2021*.

²³ Clause 133(2)(b) *Protection of the Environment Operations (General) Regulation 2021*.

²⁴ s153D, *Protection of the Environment Operations Act 1997*.

²⁵ Clause 132(1)(b) *Protection of the Environment Operations (General) Regulation 2021*.

²⁶ Clause 132(1)(a) *Protection of the Environment Operations (General) Regulation 2021*.

²⁷ Clause 132(2)(a) *Protection of the Environment Operations (General) Regulation 2021*.

²⁸ Clause 132(2)(b) *Protection of the Environment Operations (General) Regulation 2021*.

²⁹ Clause 132(4) *Protection of the Environment Operations (General) Regulation 2021*.

11. Test Register

Date of Test	Name of Personnel Undertaking Test	Manner of Testing	Summary of Changes (include brief details and section number)	Date of Update
25/9/12	Robyn Stoney (ECM), Leigh Hodge (SDSO)	Environmental emergency drill as per section 6.2 following notified incident EPA ref.no. 10181 (notification date 29/08/2012, letter report 05/09/2012)	Notify personnel of legislative requirements and new procedures of the PIRMP. Update Spill Response Plan to link to the PIRMP; update flow chart and load onto internet. Review logged in XstraSafe as # 132,634.	16/10/12
09/11/12	Leigh Hodge (SDSO), Tara Stokes (ECO)	Desktop review as per Section 6.2 following notified incident EPA ref.no. 11804 (notification date 11/10/2012, letter report 18/10/2012)	Formatting and minor content changes to the PIRMP, Pollution Incident flow chart and Spill Response Plan; logged as Xstrasafe # 143,461.	09/11/12
02/5/2013	Leigh Hodge (SDSO); Robyn Stoney (ECM)	Desktop review as per Section 6.2 routine test	Minor formatting changes including linking document to the XC Environmental Incident Matrix guideline.	02/05/2013
15/5/2013	Leigh Hodge (SDSO), Elizabeth Ruppe (ECG)	Desktop review as per Section 6.2 following notified incident on 01/05/2013 (letter report 10/05/2013 (as agreed with EPA to delay report timeframe).	Minor content changes to Section 5.2 to improve readability and flow; addition of MWRC email notification in Table 5.1. Updated contact details for USO Operations Manager.	15/05/2013
28/05/2013	Leigh Hodge (SDSO); Robyn Stoney (ECM)	Desktop review as per Section 6.2 following notified incident on 21/05/2013 letter report 28/05/2013.	No Updates Required.	28/05/2013
20/9/2013	Leigh Hodge (SDSO); Robyn Stoney (ECM)	Desktop review as per 6.2 routine testing.	Routine review and test. Updated Corporate names and contact details; reference documents checked and updated; regulatory contact details checked and updated; web based reference links checked and updated; updated legal requirements; updated training TNA and review register.	20/09/2013
02/12/2013	Robyn Stoney (ECM); Ian Flood (ECC); Leigh Hodge (SDSO)	Environmental Emergency drill review as per Section 6.2 following notified incident EPA Ref: C17185 (notification date 14/10/2013, letter report date 21/10/2013)	Review and test document changes made to: Remove Xstrata branding; repair footer; Insert Department of Resources & Energy to table 5.1; Improve section number references in table 1.2; minor content update; Insert Senior Environment & Approvals	02/12/2013

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Date of Test	Name of Personnel Undertaking Test	Manner of Testing	Summary of Changes (include brief details and section number)	Date of Update
			Coordinator role into table 3.1; Content updates to UCMPL Pollution Incident Notification Flow Chart.	
08/04/2014	Leigh Hodge (SDSO); Damien Ryba (ECG)	Desktop review as per Section 6.2 following notified incident on 30/3/2014.	Routine review and test in light of incident. Reference documents checked and updated; web based links checked and updated; updates to UCML contacts in Table 3.1; other minor formatting and updates to improve readability and functionality of the document.	08/04/2014
07/08/2014	Leigh Hodge (SDSO); Stephen Shoesmith (ECO)	Test and review as per Section 6.2 routine annual test.	Updates made to contact details for Ulan Complex General Manager; Emergency contact details contacted and updated where necessary. All referenced documents reviewed and updated where necessary.	07/08/2014
10/08/2015	Tom Frankham (ECO)	Test and review as per Section 5.2.	Updates made to contacts for Ulan Complex, General manager of Ulan No.3; Emergency contact details updated where required; All reference documents reviewed and updated where necessary.	10/8/15
13/11/2015	Stephen Shoesmith, Robyn Stoney	Post Incident Review #C14006_2015	Updated contact numbers and included other stakeholder rows.	13/11/2015
08/08/2016	Robyn Stoney (ECM)	Test and review as per Section 5.2.	Test of notification process undertaken. EPA reference no. 00344045. Document and references reviewed. Appendix A – PIRMP flow chart updated.	10/8/16
14/08/2017	Rebecca Shanks (ECO)	Test and review as per Section 5.2.	Test of notification process undertaken, minor amendment made to notification process for Mid Western Regional Council. References reviewed and updated where necessary	14/08/17
24/07/2018	Justin Russell (ECO)	Test and review as per Section 5.2.	Test of notification process undertaken. Update to Table 3.1 – Replacement Contact for UCML. Update to table 5.1 replacement contacts and phone number changes.	25/07/2018
24/07/2019	Tara Stokes	Test and review as per Section 5.2.	Test of notification process undertaken.	26/07/2019
15/05/2020	Kellie Smith (ECO)	Test and review as per Section 5.2	Test of notification process undertaken. Scenario: Sucker truck cleaning out sumps had valve burst causing approximately 2000L of contaminated sludge to spill to ground close to the Bobadeen Creek flow line. EPA Reference # 0092615. Revisions include	19/05/2020

Date of Test	Name of Personnel Undertaking Test	Manner of Testing	Summary of Changes (include brief details and section number)	Date of Update
			updated to Table 3.1 – Ulan Underground Operations Manager Elliot Baume. Update to Table 5.1 – Ministry of Health: removal of Ingo Steppat and addition of Tim Brokeshire and Gerard Van Yzendoorn; Safework: removal of notification due to no requirement to notify under s38 (8) of the <i>Work Health and Safety Act 2011 No. 10 (NSW)</i> ; DPI&E: removed contact details for Katrina O'Reilly and Stephen Clipperton and added new details as advised by Stephen Clipperton.	
15/12/2020	Lucy Stuart	Mock Emergency Simulation	Emergency desktop simulation of a dam failure. Testing of the PIRMP process was internal only and involved the notification process and E&C involvement in the IMT.	N/A
18/05/2021	Kellie Smith (ECO)	Test and review as per Section 5.2	Scenario of desktop test was a tailings dam failure. Notification process undertaken. EPA and other departments did not require the full mock incident details. EPA Reference # 00996083. Removal of notification of Department of Planning, Industry and Environment (DPIE) via phone number because they requested notification is provided by email only. Removal of "Operations and Mine Manager – Ulan No. 3 Underground Operations" from position column of Charlie Allan.	29/06/2021
12/05/2022	Kellie Smith (ECO)	Test and review as per Section 9.2	Desktop test of the notification process undertaken at 3:10pm on 12/5/2022. EPA Reference # 01059484. Updated Section 7.2 to add Peter Ostermann as General Manager, Lucy Stuart as Environment and Community Manager, and Tara Stokes as Environment and Community Coordinator. Environment and Community Manager phone number updated in Appendix A – PIRMP Activation and Implementation Process Map.	16/05/2022
15/05/2023	Kellie Smith (ECO)	Test and review as per Section 9.2	Desktop test of the notification process undertaken at 1:23pm on 15/05/2023. EPA Reference # 01119922. Fire & Rescue reference # 085291. Updated Section 7.2 to add David Ribaux as Ulan Underground Operations Manager, Matthew Stone as Ulan West Operations Manager, Amanda Sales and Mathew Croake as Environment and Community Coordinators. Updated notification requirements for Ministry of Health to remove direct contact details and add Mark Nave, Senior Environmental Health Officer.	26/05/2023

Number: ULNCX-111515275-2432
Owner: Coordinator - Environment & Community

Status: Approved
Version: 31.0

Effective: 26/05/2023
Review: 26/05/2024

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Date of Test	Name of Personnel Undertaking Test	Manner of Testing	Summary of Changes (include brief details and section number)	Date of Update
			Details updated in Appendix A – PIRMP Activation and Implementation Process Map.	

12. 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.

12.1 Related Documents

Related documents, listed in **Table 12.1** below, are *documents* directly related to or referenced from within this document.

Table 12.1 – Related documents

Number	Title
<u>ULNCX-111515275-3359</u>	PIRMP Flow Chart
<u>ULNCX-111515275-1745</u>	Spill Response Procedure
<u>ULNCX-111515275-1644</u>	Surface Water and Groundwater Response Plan
<u>ULNCX-111515275-2049</u>	Bushfire Management Plan
<u>ULNCX-111515275-98</u>	Waste Management Plan
<u>ULNCX-111515275-224</u>	Erosion and Sediment Control Plan
<u>ULNCX-111515275-3616</u>	PIRMP PTO

12.2 Reference Information

Reference information, listed in **Table 12.2** below, is *information* that is directly referred to for the development of this document.

Table 12.2 – Reference information

Reference	Title
EPL394	Environment Protection Licence 394
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
POEO General Regulations	<i>Protection of the Environment Operations (General) Regulation 2021</i>

13. 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 13.1** below.

Table 13.1 – Change information

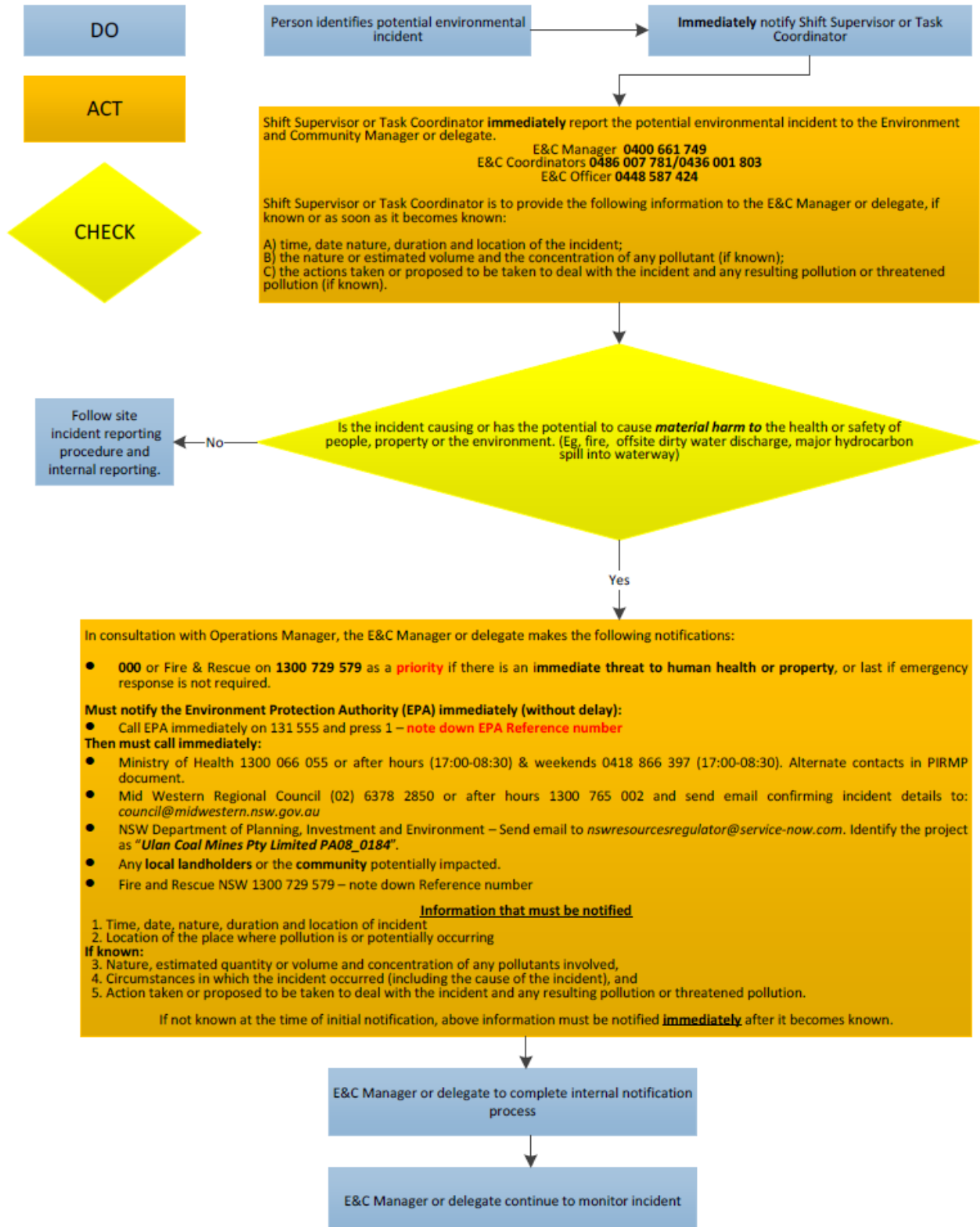
Version	Date	Review team	Change Summary
1	09/08/2012	Umwelt, Robyn Stoney (ECM), Tara Stokes (ECO)	New Plan required under <i>Protection of the Environment Legislation Amendment Act 2011</i> (PELA).
2	16/10/12	Leigh Hodge (SDSO)	Test conducted 25/9/2012 in response to reported incident. Updated Section 7 to include details of environmental emergency drill and review performed.
2.1	09/11/12	Leigh Hodge (SDSO)	Minor updates to content for desktop review.
3	23/11/12	Leigh Hodge (SDSO)	Changes made to emergency contact phone numbers.
4	13/03/2013	Leigh Hodge (SDSO)	Update to Fire & Rescue contact number as advised by the EPA.
5	02/5/2013	Leigh Hodge (SDSO)	Routine review and test of document. Included link to the XC Environmental Incident Matrix guideline.
6	15/5/2013	Leigh Hodge (SDSO), Elizabeth Ruppe (ECG)	Minor content changes to Section 5 and updated USO Operations Manager details for desktop review following environmental incidents.
7	10/09/2013	Robyn Stoney (ECM)	Audit review: Reportable incidents will trigger three entries in site compliance management system (CMO) as follows: 1. Provide written report to (relevant agency) within 7 days 2. Copy and save detailed reports, (as delivered) to CMO 3. Conduct review of PIRMP within 1 month of incident.
7.1	20/09/2013	Robyn Stoney (ECM), Leigh Hodge (SDSO)	Routine review and test of document, various updates made to content.
8	02/12/2013	Robyn Stoney (ECM), Ian Flood (ECC), Leigh Hodge (SDSO)	Test and review of document following reportable incident on 14/10/2013, various updates made to content.
9	20/1/2014	Ian Flood (ECC), Leigh Hodge (SDSO)	Update to maps of potential pollutant locations
10	31/1/2014	Robyn Stoney (ECM)	Inclusion of Dangerous Goods storage notification as appendix
11	13/03/2014	Leigh Hodge (SDSO)	Update of contact details for Department of Planning & Infrastructure.

Version	Date	Review team	Change Summary
12	08/04/2014	Leigh Hodge (SDSO); Damien Ryba (ECG)	Routine test and review of document following reportable incident on 30/03/2014. Refer to Review Register for document updates.
13	07/08/2014	Leigh Hodge (SDSO); Stephen Shoesmith (ECO)	Annual test and review of document. Refer to Review Register for document updates.
14	17/02/2015	Eliza LeBrocq (SDSO)	Updated internal staff contact details, removed reference to Xstrata and replaced with Glencore, updated document properties – keywords.
15	10/8/15	Tom Frankham (ECO)	Updated contact details of Ulan No.3 General Manager and Department of Planning and Environment.
16	13/11/2015	Stephen Shoesmith	Post Incident Review C14006_2015.
17	1/02/2016	Robbie Mills	Updated contact details of Ulan No.3 Operations Manager, removed Xstrata logo from figures in Appendix A and replaced with Glencore logo
18	23/05/2016	Angela van der Kroft	Added notification flowchart to Appendix and removed reference to Xstrata Protocols.
19	10/08/2016	Robyn Stoney	Amended notification flowchart, minor wording modification.
20	18/11/2016	Angela van der Kroft	Updated Notification of Dangerous Goods on Premises
21	21/04/2017	Tara Stokes	Updated plan to include section 2.4 Mine Dams in response to EPA Audit recommendation.
22	23/04/2018	Rebecca Croake	Updated internal staff contact details.
23	24/07/2018	Justin Russell	Updated internal staff, DPE and Ministry of Health contact details.
24	12/11/2018	Tara Stokes	Updated internal document references
25	31/05/2019	Tara Stokes	Correct CA email address and new contact for DP&E. Addition of 7 day report to DRG in accordance with Mining Tenements.
26	26/07/2019	Tara Stokes	Updated Section 6 for test conducted 24/07/2019
27	9/08/2019	Tara Stokes	Addition of compliance@planning.nsw.gov.au address and instructions of notification to DP&E notification as per updated Schedule 5, Condition 6 of MOD4 issued PA08_0184.
28	19/05/2020	Kellie Smith	Notification test: updates to Table 3.1, Table 5.1 and Section 6 to record test. Update to Appendix A Incident Notification Flowchart.

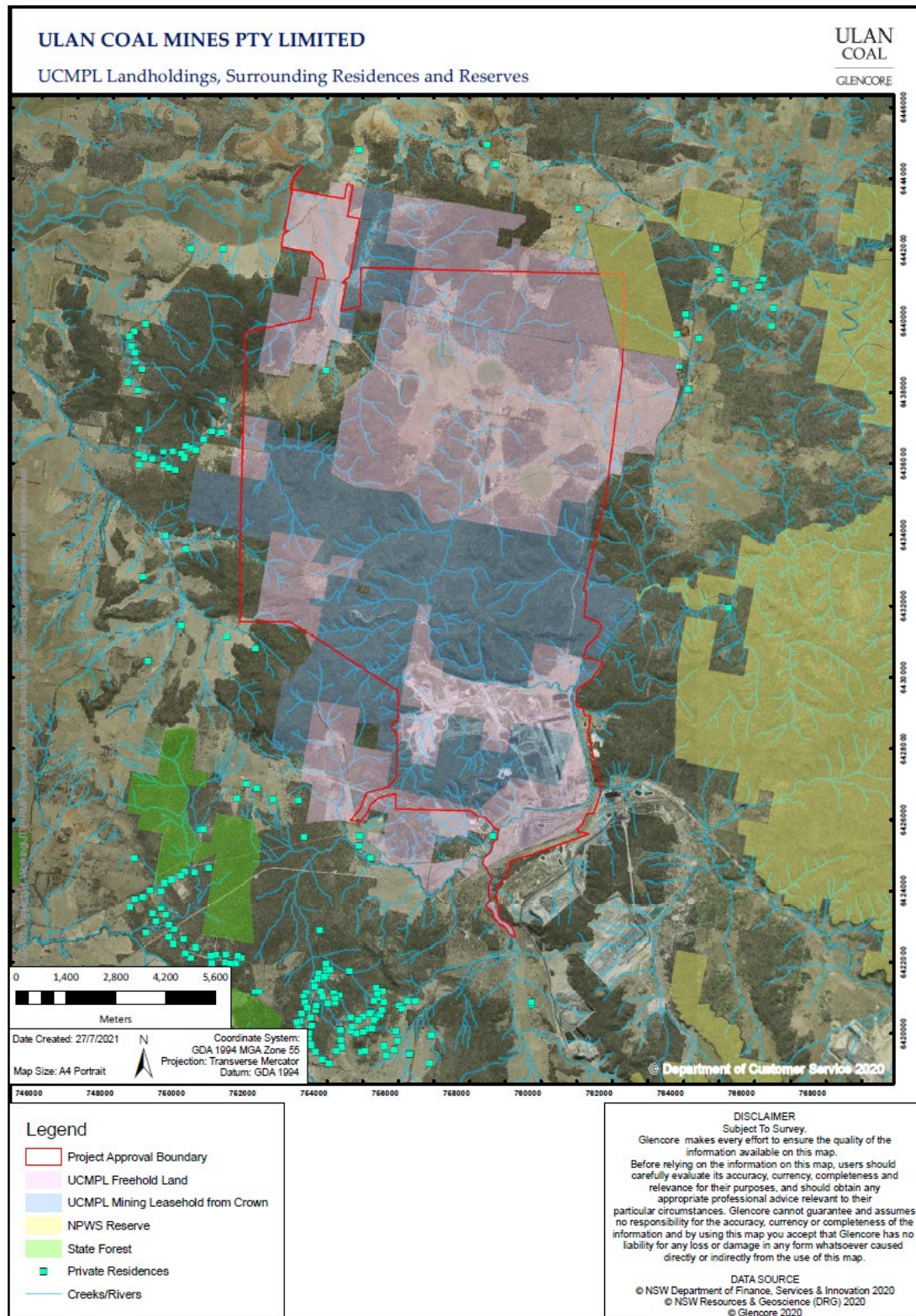
Version	Date	Review team	Change Summary
29	20/08/2021	Kellie Smith	Revisions include major review of the entire PIRMP document to condense, make easier to understand and maintain compliance with <i>Protection of the Environment Operations Act 1997</i> , <i>Protection of the Environment Operations (General) Regulation 2009</i> and Appendix C – Pollution Incident Response Management Plan (NSW) GCAA-625378177-9993 Incident. Update to Table 6-1 – Mine Dam Volumes. Update to Appendix A Incident Notification Flowchart (now PIRMP Implementation and Notification Process Map), update Appendices B-D Maps, and Appendix E with current Dangerous Goods Notification.
30	16/05/2022	Kellie Smith	Revisions include addition of desktop test on 12/5/2022, update of Table 7.1 to update details of General Manager, Environment and Community Manager, and Environment and Community Coordinator. Environment and Community Manager and Environment and Community Coordinator contact details updated in Appendix A – PIRMP Activation and Implementation Process Map. Updated reference to the <i>Protection of the Environment Operations (General) Regulation 2021</i> due to <i>Protection of the Environment Operations (General) Regulation 2009</i> being repealed.
31	26/05/2023	Kellie Smith	Revisions include addition of desktop test of the notification process undertaken at 1:23pm on 15/05/2023. Updated Section 7.2 to add David Ribaux as Ulan Underground Operations Manager, Matthew Stone as Ulan West Operations Manager, Amanda Sales and Mathew Croake as Environment and Community Coordinators. Updated notification requirements for Ministry of Health to remove direct contact details and add Mark Nave, Senior Environmental Health Officer. Details updated in Appendix A – PIRMP Activation and Implementation Process Map. Updated the document number for the Ulan Underground Withdrawal Conditions Plan in table 7.3.

Appendix A - PIRMP Activation and Implementation Process Map

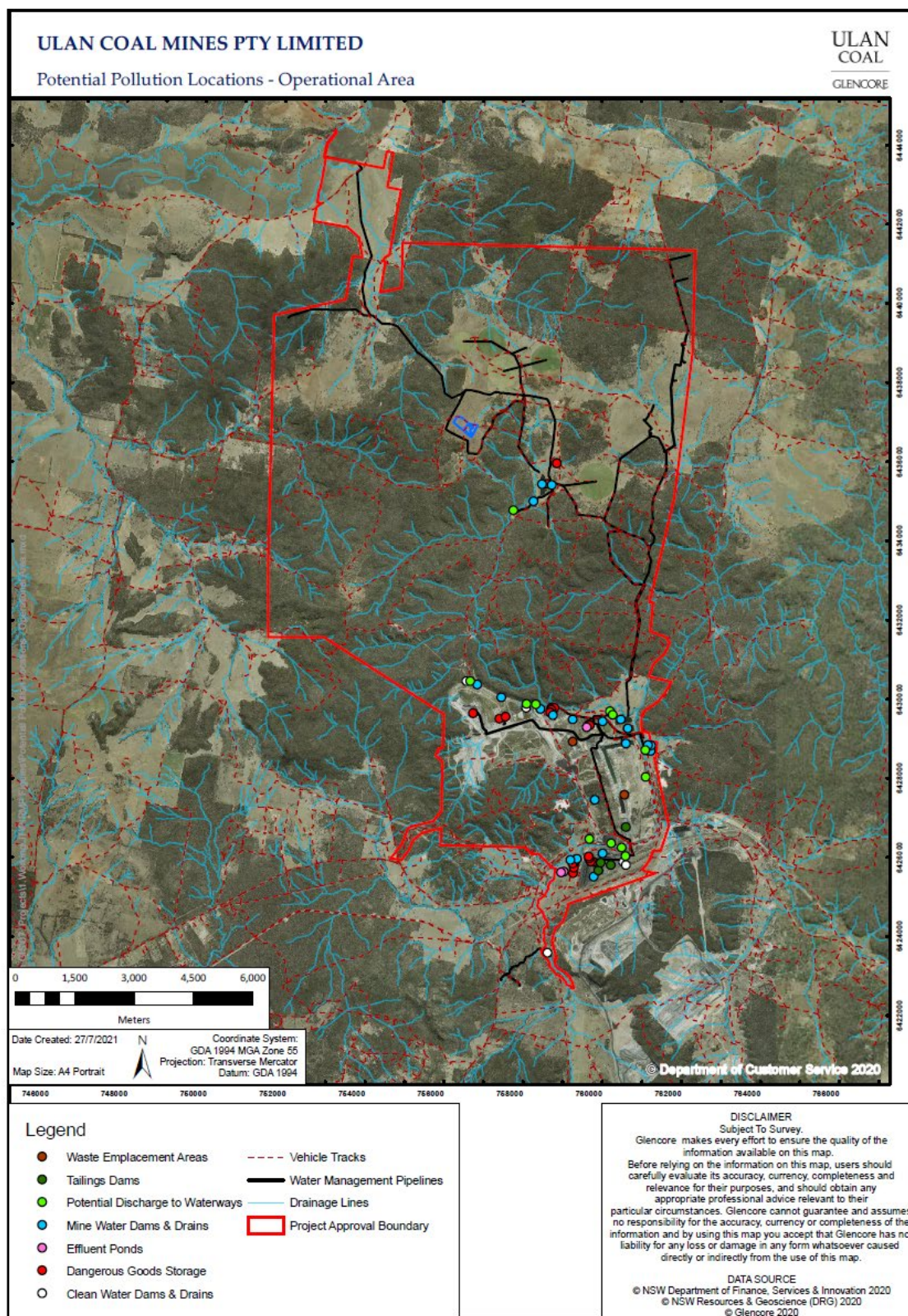
UCMPL Pollution Incident Management Plan Activation and Implementation Process Map

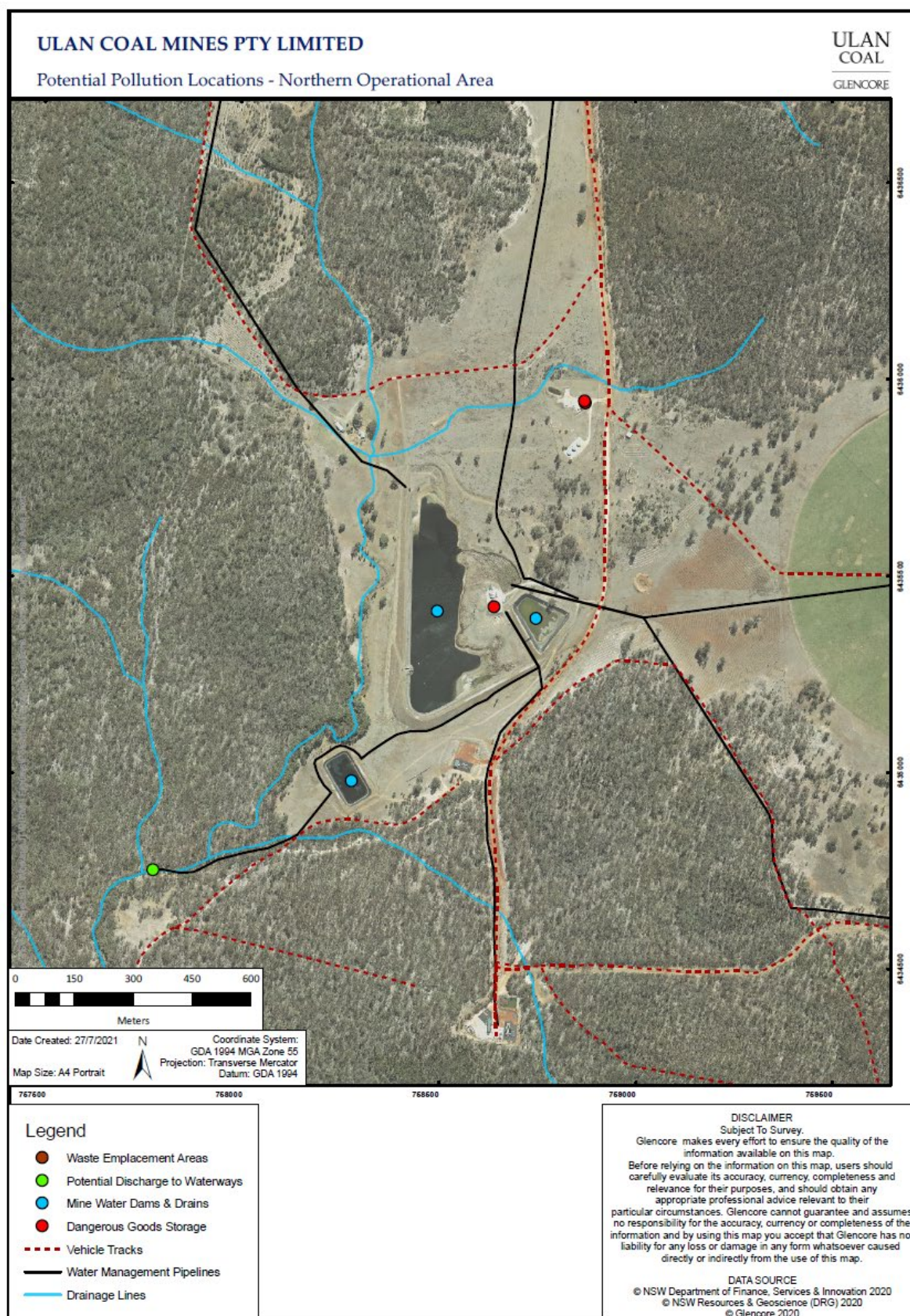


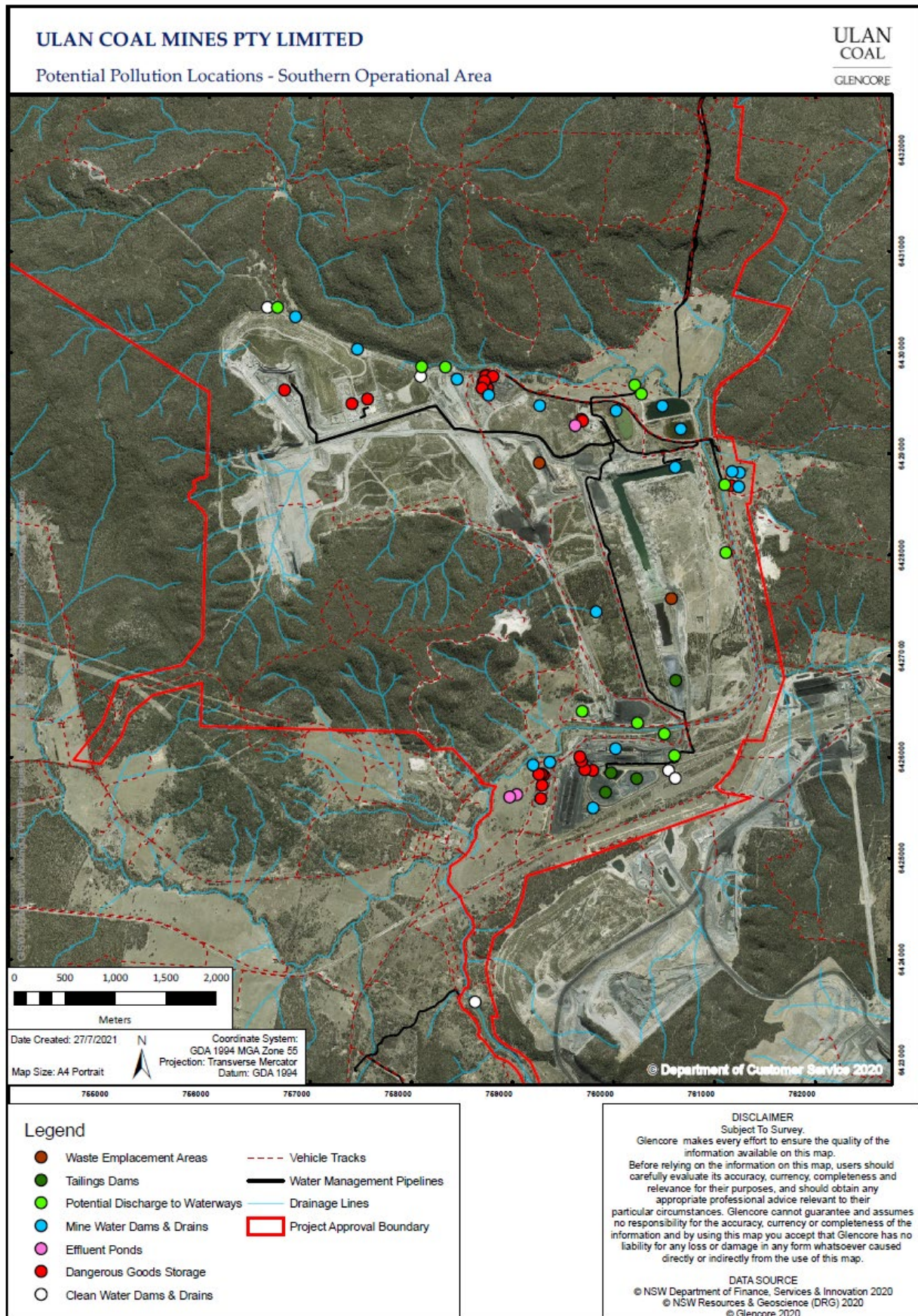
Appendix C - UCMPL Landholdings, surrounding residents, and reserves



Appendix D - Potential Pollution Locations







Appendix E - Acknowledgment of Dangerous Goods on Premises



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ABN 81 913 830 179 | www.safework.nsw.gov.au

5 July 2021

ULAN COAL MINES LIMITED

Trading As ULAN COAL OPERATIONS

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS CHEMICALS ON PREMISES

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE WORK HEALTH AND SAFETY ACT 2011 AND
REGULATION THEREUNDER

Acknowledgement Number NDG023149

Issued to ULAN COAL MINES LIMITED

Trading as ULAN COAL OPERATIONS

Premises where notified hazardous chemicals are stored/handled

4505 Ulan Rd, ULAN NSW 2850, AUSTRALIA

Emergency Contacts for this site:

. Control Operator

0263 709 234

This acknowledgement must be retained as PROOF OF NOTIFICATION
You must notify SafeWork NSW of applicable changes, specified in the Work Health and Safety
Regulation 2011, to the Hazardous Chemicals used, handled or stored on these premises

1

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Ax56578



SafeWork NSW

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Customer Experience 13 10 50
ABN 81 913 830 179 | www.safework.nsw.gov.au

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Acknowledgement Number NDG023149

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
17	Above Ground Tank	50000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
00C1	DIESEL	C1 40000L
Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
59	Above Ground Tank	104000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
00C1	DIESEL	C1 80000L
Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
60	Roofed Store	4000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
1830	SULFURIC ACID	8 1000L II

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Regulation 2011, to the Hazardous Chemicals used, handled or stored on these premises

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Acknowledgement Number NDG023149

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
60	Roofed Store	4000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
1791	HYPOCHLORITE SOLUTION	8 1000L II
Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
60	Roofed Store	4000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
1824	SODIUM HYDROXIDE SOLUTION	8 1500L II
Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
62	Above Ground Tank	100000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
00C1	DIESEL	C1 98000L

This acknowledgement must be retained as PROOF OF NOTIFICATION
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Regulation 2011, to the Hazardous Chemicals used, handled or stored on these premises

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ABN 81 913 830 179 | www.safework.nsw.gov.au

5 July 2021

Issued to ULAN COAL MINES LIMITED

Acknowledgement Number NDG023149

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
63	Above Ground Tank	100000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
00C1	DIESEL	C1 98000L
Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
64	Roofed Store	6000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
1824	SODIUM HYDROXIDE SOLUTION	8 2000L II
Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
65	Above Ground Tank	50000L
UN Number	Product Name	Class/Division Typical Quantity Packing Group
00C1	DIESEL	C1 48000L

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Acknowledgement Number NDG023149

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
66	Roofed Store	6000Kg

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
1490	POTASSIUM PERMANGANATE	5.1	6000Kg	II

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
67	Roofed Store	54000L

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
1791	HYPOCHLORITE SOLUTION	8	12000L	III

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
67	Roofed Store	54000L

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
1824	SODIUM HYDROXIDE SOLUTION	8	42000L	II

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Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
69	Shipping Container	1000L

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
1789	HYDROCHLORIC ACID	8	720L	II

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
69	Shipping Container	10L

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
1830	SULPHURIC ACID with more than 51% acid	8	1L	II

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
DEPOT 69	Shipping Container	500L

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	480L	III

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Customer Experience 13 10 50
ABN 81 913 830 179 | www.safework.nsw.gov.au

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Acknowledgement Number NDG023149

Storage ID	Storage Type	Maximum Storage Capacity (Kg/L)
DEPOT 70	Shipping Container	1000L

UN Number	Product Name	Class/Division	Typical Quantity	Packing Group
1814	POTASSIUM HYDROXIDE SOLUTION	8	945L	II

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You must notify SafeWork NSW of applicable changes, specified in the Work Health and Safety
Regulation 2011, to the Hazardous Chemicals used, handled or stored on these premises

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