



Perilya Broken Hill Limited

North Mine and Potosi Operations Pollution and Incident Response Management Plan

EXTERNAL VERSION

March 2020

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1. Facility details

The facility details as described in Environmental Protection Licence (EPL) 2683 are detailed in Table 1.

Table 1 – Details of EPL 2683

EPL No. 2683	
Name of licensee	Perilya Broken Hill Limited
Premises details	North Operations Argent Street Broken Hill, NSW 2880
Website address	http://www.perilya.com.au/our-business/operations/broken-hill-north-mine
Scheduled activity/activities on EPL	Crushing, grinding or separating Mining for minerals
Fee based activity/activities on EPL	Crushing, grinding or separating (>500,000 – 2,000,000 T annual processing capacity) Mining for minerals (>500,000 – 2,000,000 T annual processing capacity)

2. Overview of operations

2.1 North Mine operations

The North Mine is a 2018 re-start of an already established underground base-metal mine that first started operations in 1883. The North Mine resource contains 3.7 million tonnes at 11.3 per cent zinc, 13.5 per cent lead and 219 grams per tonne (g/t) of silver making it one of the highest grade deposits in the world.

The Broken Hill North Mine project has a known mineralogy, an existing local mining workforce that can be expanded to accommodate the project and is in close proximity to Perilya's existing infrastructure. The North Mine's known high grade mineralisation has the potential for a significant ongoing mining operation at Broken Hill.

The North Mine constitutes the re-start of the underground operation with minimal disturbance of the existing surface environment and low - medium risk environmental impacts which are mitigated and monitored to determine compliance against the conditions of consent.

2.2 Potosi operations

The Potosi project, located approximately two kilometres north of the existing North Mine at Broken Hill, currently contains a mineral resource of 1.6 million tonnes at 13.0 per cent zinc, 3.1 per cent lead and 43.1 g/t silver.

The mineral resource includes two mining zones – Potosi North and Potosi Extended, and these represent approximately 50 per cent of the targeted mineralised zones along strike.

Construction of the Potosi exploration decline to access high grade material commenced in January 2007.

3. Purpose

A Pollution Incident Report Management Plan (PIRMP) has been developed as a requirement under Part 5.7A of the *Protection of the Environment Operations Act 1997* (POEO Act). The PIRMP sets out the protocol for the notification, response and management of pollution incidents at the Perilya Limited North Mine and Potosi Operations.

This abridged version has been developed to meet requirements for public availability of the plan.

The objectives of this plan are to:

- Ensure comprehensive and timely communication about a pollution incident to staff 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 staff, identifying persons responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability.

4. Procedural requirement

4.1 Communication

Perilya Limited personnel that discover an actual or potential pollution incident are responsible for immediately notifying the Mine Communication Centre (MCC).

Perilya Limited is required to immediately notify the following regulatory authorities where a pollution incident of 'material harm to the environment' has or is likely to occur:

- NSW Environment Protection Authority (EPA) (where the EPA is not the regulatory authority).
- NSW Department of Planning, Industry and Environment (DPIE) as the Mine Licence Regulator.

Perilya Limited is also required to contact (as required) authorities listed within Table 2.

Table 2 – Authority contacts

Contact position (Name)	Contact number
Environment Protection Authority (EPA)	131 555
Department of Planning, Industry and Environment (DPIE)	1300 305 695
NSW Health (Broken Hill)	(08) 8080 1499
Broken Hill City Council	(08) 8080 3300
Safe Work NSW	131 050
NSW State Emergency Service	13 25 00
Broken Hill Police	000 or (08) 8087 0299
Broken Hill Fire Brigade	000 or (08) 8087 2233
Broken Hill Hospital	(08) 8080 1333

The degree of ongoing emergency communication and response activities following initial notification and response will be dependent upon the type and severity of the particular emergency event.

Ongoing communication may be required with:

- Regulatory agencies.
- External emergency services.
- Family members.
- Media representatives.
- Local community.
- Neighbours.

4.2 Hazards and controls

The main hazards have been identified at Perilya Broken Hill North Mine and Perilya Broken Hill Potosi Mine by a site-wide hazard assessment, including an inventory of pollutants and associated safety equipment. Pre-emptive measures for minimising risks associated with hazards and pollutants have also been detailed.

4.3 Response actions

The actions to be taken in response to a pollution incident are detailed in the Perilya Broken Hill Plan for Site Emergency Response Plan, the Perilya Broken Hill Procedure for Hydrocarbon Spills and the Perilya Broken Hill Procedure for Emergency Management documents.

Perilya Limited has a three-tiered response team structure for managing emergencies and incidents, including

- 1 Emergency Response Team (ERT).
- 2 Emergency Management Team (EMT).
- 3 Crisis Management Team (CMT).

Training on the requirements of the PIRMP is provided as part of environmental awareness training delivered during site inductions and as a refresher to all staff on a scheduled, periodic basis. All staff and contractors are trained in hydrocarbon spill management as part of induction and all employees are provided with fire risk training.

4.4 Audit / review schedule

The PIRMP is required to be tested on a routine basis at least once every 12 months and within one month of a notifiable incident.

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6/[https://projectsportal.ghd.com/sites/pp15_03/perilyapirmps/ProjectDocs/Northern Operations/12519537-RPT-North Mine External PIRMP_Final.DOCX](https://projectsportal.ghd.com/sites/pp15_03/perilyapirmps/ProjectDocs/Northern%20Operations/12519537-RPT-North%20Mine%20External%20PIRMP_Final.DOCX)

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