



PEPR Compliance Report 2023
Prominent Hill
ML6228 and Associated Tenements

Document Control History

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**Prominent Hill Annual Compliance Report 2023
ML6228 and Associated Tenements**



Prominent Hill – Safety, Health and Environment

Acknowledgement

Acknowledgement goes to all the staff across the Prominent Hill, including the site operations teams, for their contributions to the overall report and for undertaking all activities in a safe and effective manner. We also acknowledge the Antakarinja Matu-Yankunytjatjara peoples for their ongoing support and assistance provided on the project.



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Executive Summary

OZ Minerals Prominent Hill Operations Pty Ltd submits this Compliance Report as required by the South Australian Mining Regulations 2020 and conditions of the Prominent Hill Mining Lease (ML), Miscellaneous Purposes Licences (MPL) and Extractive Minerals Leases (EML). This Compliance Report demonstrates compliance with the lease and licence conditions as outlined in the Program for Environment Protection and Rehabilitation (PEPR) 2022, approved on 1 March 2022.


This report covers the period 1 July 2022 to 30 June 2023.

During the reporting period, the Prominent Hill Operation was compliant for all conditions.

OZ Minerals submits this PEPR Annual Compliance Report as required by the *Mining Act 1971* and *Mining Regulations 2020*, conditions of the Prominent Hill Mining Lease (ML 6228) and associated tenements and as outlined in MG3 *Preparing a mining compliance report* (DEM 2021).

1 Declaration of Accuracy

This report is prepared for the Department for Energy and Mining to fulfil the annual mining compliance reporting requirements for the tenements listed herein. The information contained in this report is to the best of my knowledge a true and accurate record of the mining activities and compliance status for the reporting period.

Name	Andrew Mooney
Position	General Manager – Prominent Hill Mine
Company/ Agent	OZ Minerals
Signature	
Date	28th Sept 2023
Summary of steps undertaken to review the compliance report to ensure report accuracy	Prominent Hill Environment personnel within the Safety, Health, Environment and Community Department prepared this report. External subject matter experts provided information and judgement pertaining to compliance in the areas of Groundwater, Surface Water, Geotechnical Stability, Ecology and Radiation.

2 Public Liability Insurance

Details of the public liability insurance for Prominent Hill are provided below.

Certificate of Currency	
Principal Insured	BHP Group Limited and all their subsidiary companies and all related and/or affiliated and/or controlled, managed, administered, and associated companies or corporations (now existing or hereinafter acquired, formed or incorporated) and/or related joint ventures and/or partnerships and other entities names or described herein for their respective rights and interests.
Start Date	1 July 2023
Finish Date	30 June 2024
Limits of Liability	\$20,000,000 USD

A copy of certificate of currency for the policy of insurance is attached as Appendix 1.

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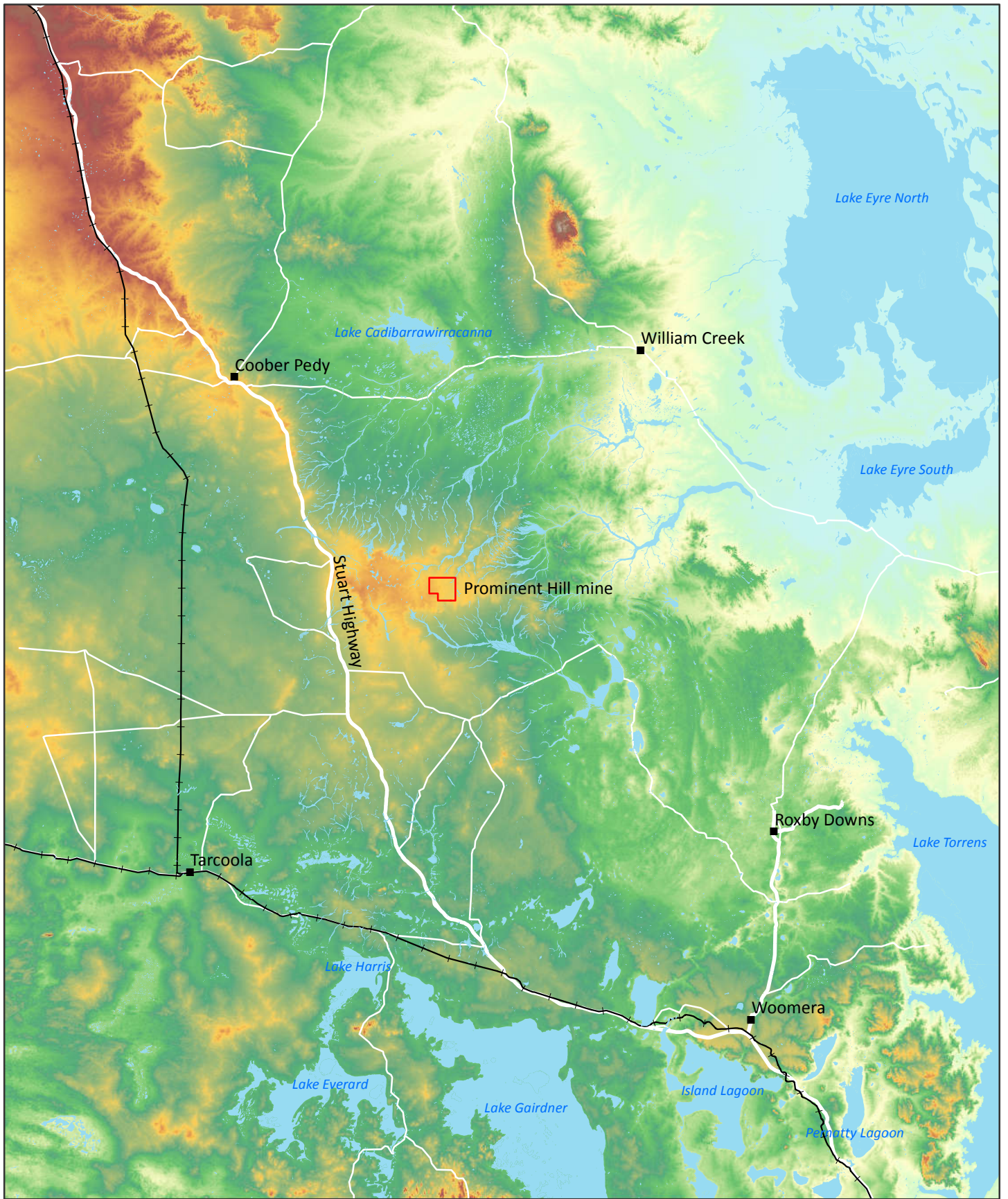



Prominent Hill – Safety, Health and Environment

3 Identification

OZ Minerals submits this PEPR Annual Compliance Report as required by the *Mining Act 1971* and *Mining Regulations 2020*, conditions of the Prominent Hill Mining Lease (ML 6228) and associated tenements and as outlined in *MG3 Preparing a mining compliance report* (DEM 2021).

Mine Name	Prominent Hill	PEPR	MPEPR2022/137 (PEPR 2022)
		Date Approved	Date approved: 01/03/2022
Tenement Holder	OZ Minerals Prominent Hill Operations Pty Ltd		
Operator	OZ Minerals Prominent Hill Operations Pty Ltd		
Mining Lease Approval Date	2 August 2006		
Tenements	Prominent Hill Mining Lease	ML 6228	
	Concentrate Export Road	MPL 91	
		MPL 96	
		MPL 97	
		MPL 101	
	Wellfields (Borefields) and Associated Infrastructure	MPL 81 (Virgo)	
		MPL 82 (Virgo)	
		MPL 93–94 (Aries)	
		MPL 112–117 (Aries)	
	Extractive Minerals Areas	EML 6234	
EML 6236–6242			
EML 6278–6296			
EML 6299–6301			
Site Access Road	MPL 83–84		
Electricity Transmission Line	MPL 119–122		
Site Contact	Andrew Mooney, General Manager, OZ Minerals Prominent Hill		
	Email: Andrew.Mooney@ozminerals.com	Phone: 08 8394 0671	
Registered Mine Manager	Rebecca Roper		
	Email: Rebecca.Roper@bhp.com	Phone: 08 8672 8102	
Site Location	<i>Located approximately 650 km north-north-west of Adelaide, (Figure 3-1)</i>		
Reporting Period	From: 1 July 2022	To: 30 June 2023	
Compliance Report Submission Date	30 September 2023		



 Mining Lease ML6228

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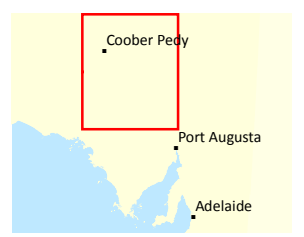
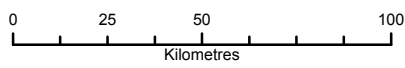


Figure 1.1: Project Location



4 Tenements

During the reporting period OZ Minerals Prominent Hill Operations Pty Ltd was acquired by BHP. All tenements are still in the name of OZ Minerals Prominent Hill Pty Ltd. As such this report still refers to OZ Minerals as the responsible party.

Details of the tenements are provided in Table 4-1 and shown in Figure 4-1. The extent of mining lease activities is shown on Figure 4-2.

Table 4-1 Tenement summary

Tenement	Tenement Number	Approval Date	Expiry Date
Prominent Hill Mining Lease	ML 6228	02/08/2006	01/08/2041
Site Access Road	MPL 83–84	20/10/2006	
Concentrate Export Road	MPL 91	21/08/2007	
	MPL 96	22/10/2007	
	MPL 97	22/10/2007	
	MPL 101	05/11/2007	
Wellfields (Borefields) and Associated Infrastructure ^[1]	MPL 81 (Virgo)	19/09/2006	
	MPL 82 (Virgo)	04/10/2006	
	MPLs 93–94 (Aries)	10/09/2007	
	MPLs 112–117 (Aries)	03/10/2008	
Extractive Minerals Areas	EML 6234	17/10/2006	
	EMLs 6236–6242	09/11/2006	
	EMLs 6278–6296	20/12/2007	
	EMLs 6299–6301	23/01/2008	
Electricity Transmission Line	MPLs 119–122	09/07/2010	

Note: 1. Wellfields are referred to as borefields within this report

Any activities associated with Exploration Licences (ELs) in the vicinity of the Prominent Hill operations are managed and reported separately as they are subject to exploration compliance reporting.

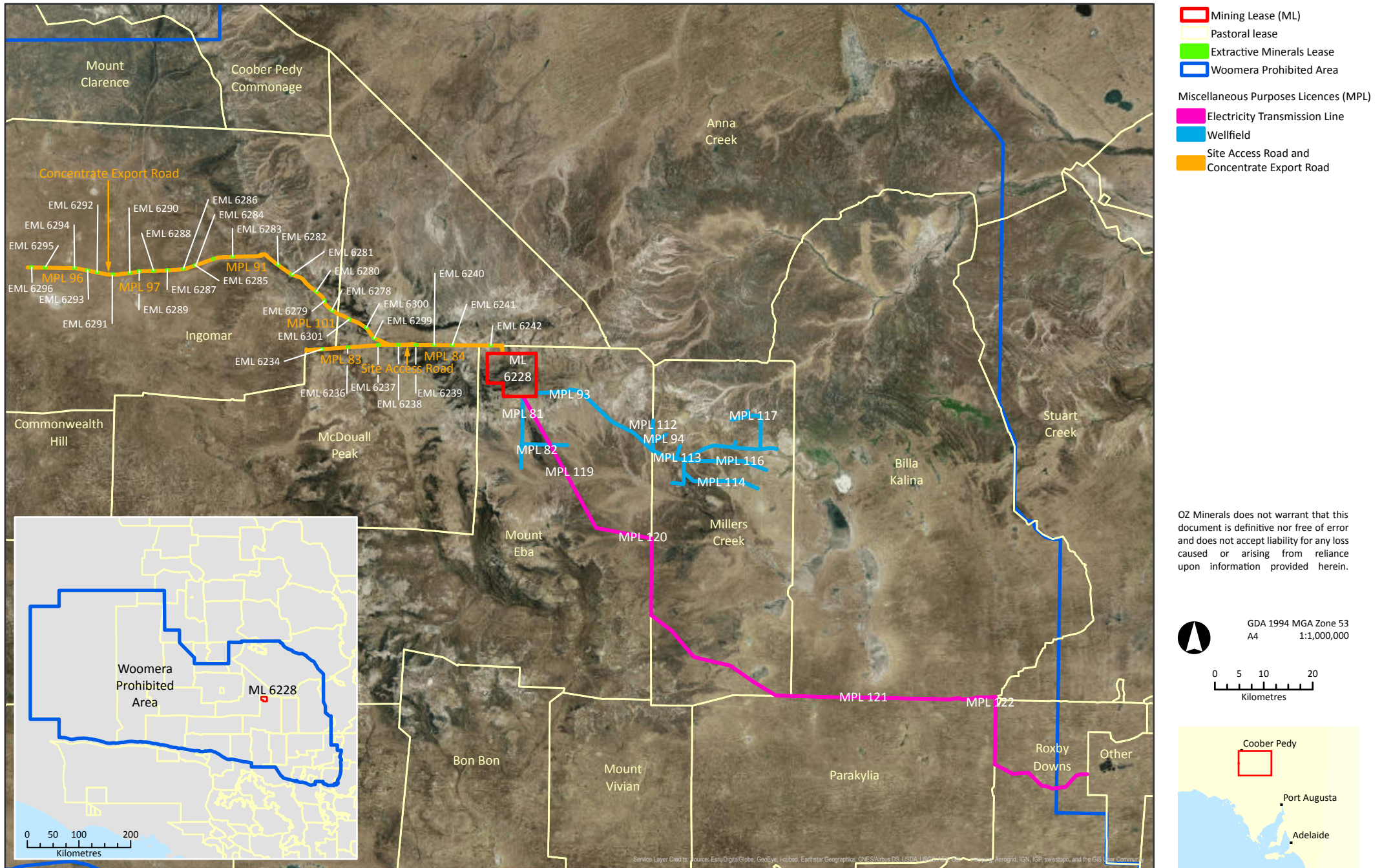
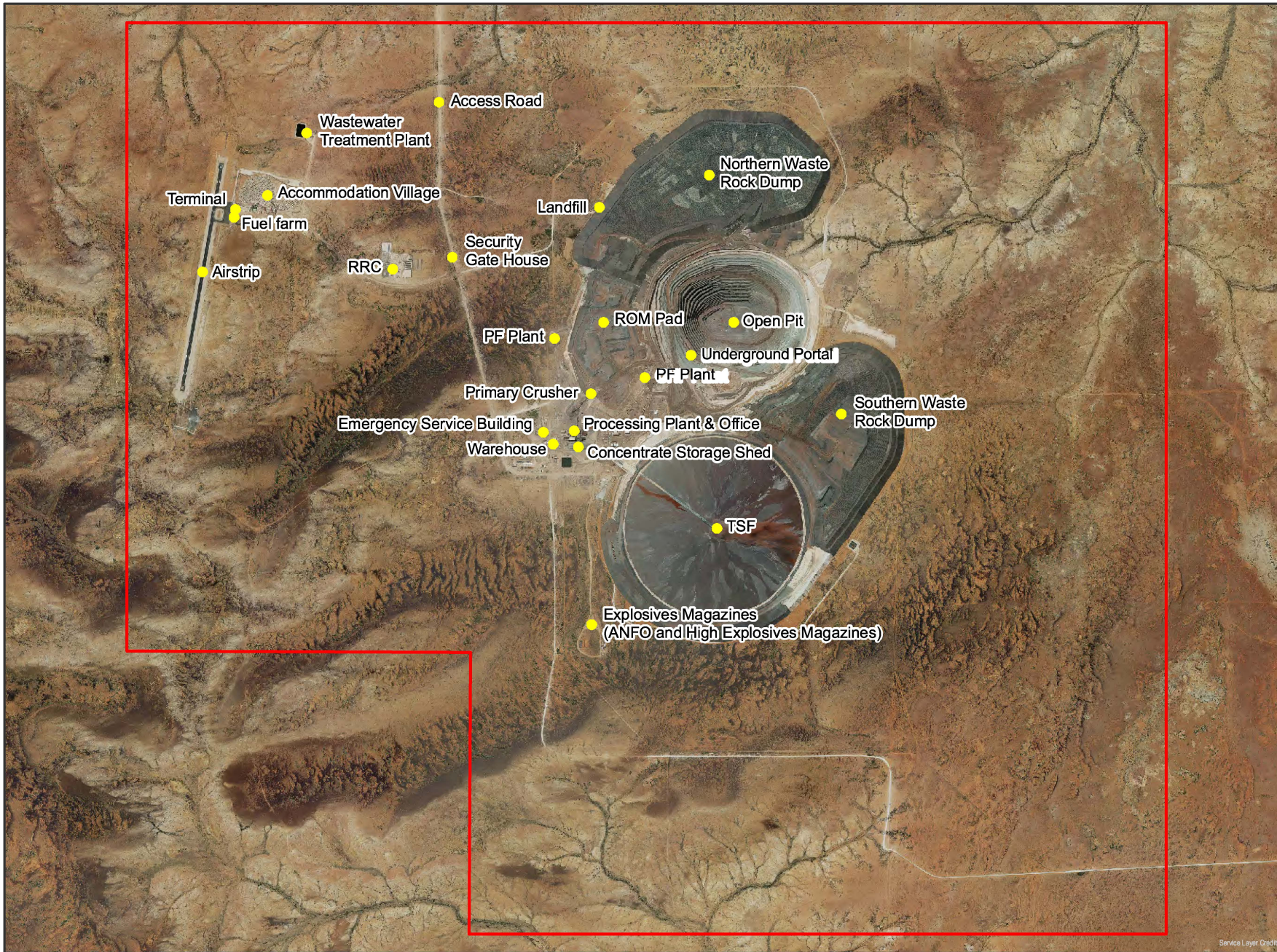


Figure 4.1: Mining Lease Boundary and Associated Tenements



- Site Locations
- Prominent Hill Mining Lease (ML)

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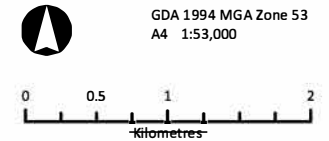


Figure 4.2: Mining Lease Activities

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5 Other Approvals, Licences, Permits, Native Title and Agreements

Table 5-1 Summary of Other Approvals, Licences, Permits and Agreements

Licence, Permit or Agreement	Regulatory Authority	Supporting Documentation	Status of Currency
Licence to conduct Prescribed Activities – Mineral Works, Wastewater Treatment Works, Waste or Recycling Depot (Licence No. 22764)	EPA	Waste Management Plan (PH-9999-SEC-PLN-0033) Wastewater Management Plan (PH-9999-PRO-PLN-0001)	Expires 31 October 2023 Fee paid annually
Haul Road Maintenance Water Licence No. 396809	DEW	Water Licence 396809 Monitoring Plan (PH-9999-SEC-PLN-0035)	Expires 30 June 2042 Fee paid annually
Borefields Water Licence No. 396811	DEW	Water Licence 396811 Monitoring Plan (PH-9999-SEC-PLN-0034)	Expires 30 June 2042 Fee paid annually
Water Effecting Activity – Water Permit to Drill	DEW	Separate permits for each drilled borehole	Expires upon relinquishment of mining tenement and closure of boreholes
Stuart Highway – Underpass Access Deed of Agreement	DIT	Traffic Management Plan (PH-ENV-PLN-0001)	Remains in force until cancelled
EPBC 2005/2040	DoEE	Threatened Fauna Management Plan (PH-9999-SEC-PLN-0052)	Expires upon relinquishment of mining tenement
Woomera Prohibited Area Deed of Access	DoD	Agreement (PH-0000-SEC-AGR-0045 – Confidential)	Expires 5 July 2027
Native Title Mining Agreement	Antakirinja Land Management Aboriginal Corporation	Mining Native Title Agreement PH-0000-SEC-AGR-0010 – Confidential Cultural Heritage Management Plan – Confidential	Expires upon relinquishment of mining tenement

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Licence, Permit or Agreement	Regulatory Authority	Supporting Documentation	Status of Currency
Licence to carry out Mining and Mineral Processing (Lic No. 51429)	EPA	Radiation Management Plan (PH-9999-SEC-PLN-0021) Radioactive Waste Management Plan (PH-9999-SEC-PLN-0022)	Expires 30 June 2024 Fee paid annually
Approval for the Cartage and Use of Recycled Water for Dust Suppression (WCS No. 2309)	Government of South Australia, Department for Health and Wellbeing	Waste Water Management Plan (PH-9999-PRO-PLN-0001)	For the life of the system Fee paid annually
Aerodrome Certificate (1-HOO80)	Australian Government Civil Aviation Safety Authority	Aerodrome Management Manual (PH-9999-PNP-PLN-0002)	Remains in force until cancelled.
Dangerous Substances Licence No. 366468	Government of South Australia SafeWork SA	Hazardous Chemicals Management (PH-9999-SEC-PLN-0040)	Expires 27 May 2024
Apparatus licences (various licence numbers)	Australian Government Australian Communications and Media Authority	NA	Expires upon relinquishment of mining tenement Fee paid annually
Explosives Magazine Licence No. 331741, No. 530014 and No. 98484	Government of South Australia SafeWork SA	Explosives Principal Hazard Management Plan (PH-9999-SEC-PLN-0042)	Expires 31 March 2024
Registration under the <i>Safe Drinking Water Act 2011</i>	Government of South Australia, Department for Health and Wellbeing	Drinking Water Risk Management Plan (PH-9999-SEC-PLN-0051)	For the life of the system
Electricity Transmission Licence (1.5.4LIC001)	Essential Services Commission of South Australia	NA	For the life of the system Fee paid annually
Waste Water Treatment Plant (WCS No. 2259)	Government of South Australia, Department for Health and Wellbeing	Waste Water Treatment Plant Management Plan (PH-0000-SEC-PLA-0050)	For the life of the system

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Licence, Permit or Agreement	Regulatory Authority	Supporting Documentation	Status of Currency
Millers Creek Land Access and Mining Compensation Agreement	Millers Creek Pastoral Lease Holder (2315)	Agreement (PH-0000-SEC-AGR-0014– Confidential)	Expires upon relinquishment of mining tenement
McDoual Peak Land Access and Mining Compensation Agreement	McDougall Peak Pastoral Lease Holder (2341)	Agreement (PH-0000-SEC-AGR-0015– Confidential)	Expires upon relinquishment of mining tenement
Billa Kalina Land Access and Compensation Agreement	Billa Kalina Pastoral Lease Holder (2415)	Agreement (PH-0000-SEC-AGR-0021– Confidential)	Expires upon relinquishment of mining tenement
Parakylia Land Access and Mining Compensation Agreement	Parakylia Pastoral Lease Holder (2197)	Agreement (PH-0000-SEC-AGR-0049– Confidential)	Expires upon relinquishment of mining tenement
Mount Eba Land Access and Compensation Agreement	Mount Eba Pastoral Lease Holder (2197)	Agreement (PH-0000-SEC-AGR-0019– Confidential)	Expires upon relinquishment of mining tenement
Ingomar Land Access and Compensation Agreement	Ingomar Pastoral Lease Holder (2153, 2339, 2527)	Agreement (PH-0000-SEC-AGR-0016– Confidential)	Expires upon relinquishment of mining tenement

6 Ore Reserves and Mineral Resources

6.1 Estimated Mine life and Project Schedule

Figure 6-1 summarises the high-level project schedule for the Prominent Hill operation. The current PEPR has the end of Mine life is scheduled for 2036 with the mine closure period to follow. A recent update to the ore reserve estimate and schedule puts the current end of mine life at 2044 with mine closure to follow.

OZ Minerals understands it cannot undertake any activity not prescribed within current leases, licences or the PEPR scope of works without prior approval and/or an approved project variation assessed against the outcome measurement criteria and lease / licence conditions. OZ Minerals understands any future activities required for the future scope of the project may require additional licencing.

6.2 Ore Reserves and Mineral Resource

The Prominent Hill Ore Reserve, Mineral Resource and Gold Minerals Reserve estimates at 30 June 2023 are presented in Table 6-1 and Table 6-2 respectively.

Table 6-1 Summary of Prominent Hill ore reserve estimate at 30 June 2023

Prominent Hill	Category	Ore (Mt)	Cu (%)	Au (g/t)	Ag (g/t)	Cu (kt)	Au (koz)	Ag (Moz)
Underground - LOM	Proved	24	1.2	0.6	2.9	290	450	2.3
	Probable	30	0.8	0.7	2.3	250	680	2.2
	Sub-total	54	1.0	0.6	2.6	530	1,120	4.5
Underground	Proved	24	1.2	0.6	2.9	290	450	2.3
	Probable	30	0.8	0.7	2.3	250	680	2.2
	Subtotal	54	1.0	0.6	2.6	530	1,120	4.5
Surface stocks - Copper	Proved	0.4	1.2	0.6	2.7	4	7	0.03
Surface stocks - Gold	Probable	4.0	0.1	0.6	0.3	4	70	0.04
Surface stocks - Marginal	Probable	2.2	0.2	0.3	0.6	3.4	24	0.04
Surface stocks	Sub-total	7	0.2	0.5	0.5	12	100	0.1
Total	Proved	25	1.2	0.6	2.9	290	450	2.3
	Probable	36	0.7	0.7	2.0	250	770	2.3
	Total	60	0.9	0.6	2.4	550	1,200	4.6

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Table 6-2 Mineral Resource estimate at 30 June 2023

Prominent Hill	Category	Ore (Mt)	Cu (%)	Au (g/t)	Ag (g/t)	Cu (kt)	Au (koz)	Ag (Moz)
Underground - LOM	Proved	24	1.2	0.6	2.9	290	450	2.3
	Probable	30	0.8	0.7	2.3	250	680	2.2
	Sub-total	54	1.0	0.6	2.6	530	1,120	4.5
Underground	Proved	24	1.2	0.6	2.9	290	450	2.3
	Probable	30	0.8	0.7	2.3	250	680	2.2
	Subtotal	54	1.0	0.6	2.6	530	1,120	4.5
Surface stocks - Copper	Proved	0.4	1.2	0.6	2.7	4	7	0.03
Surface stocks - Gold	Probable	4.0	0.1	0.6	0.3	4	70	0.04
Surface stocks - Marginal	Probable	2.2	0.2	0.3	0.6	3.4	24	0.04
Surface stocks	Sub-total	7	0.2	0.5	0.5	12	100	0.1
Total	Proved	25	1.2	0.6	2.9	290	450	2.3
	Probable	36	0.7	0.7	2.0	250	770	2.3
	Total	60	0.9	0.6	2.4	550	1,200	4.6

The above statement is based on and fairly represents information and supporting documentation compiled by Competent Persons (as defined in the JORC Code). All Competent Persons have, at the time of reporting, sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity they are undertaking to qualify as a Competent Person.

Each Competent Person listed is an employee of BHP or a company in which BHP has a controlling interest (unless otherwise stated) and declares they have not issues that could be perceived by investors as a material conflict of interest in preparing the reported information. All Competent Persons are a Member or Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM) or the Australian Institute of Geoscientists (AIG) or a Recognised Professional Organisation. Each Competent Person consents to the inclusion in the BHP ASX Annual Report (2023) of the matters based on their information in the form and context in which it appears.

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Aspect	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
In-pit waste rock dump disposal	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
Southern waste rock dump development																								
TSF operations	■	■	Wall lift	■	■	■	■	■	Wall lift	■	■	■	■	■	■	■	■	■	■	■				
Underground operations	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
Processing plant operations	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
Mine closure (post 2041)																					■	■	■	■

Figure 6-1 Project Schedule for Prominent Hill

7 Mining, Processing and Waste Storage Activities

7.1 Ore Mining

Ore mined – reporting period (t)	Expected quantity to be mined during next reporting period (t)	Quantity of ore stockpiled on the tenement at the end of the reporting period (t)
4,707,468	4,650,000	6,240,592

Production Notes:

The underground mining operation continues to ramp up to circa 4mtpa. Expected quantity to be mined in next reporting period is based on 2023 Life of Mine Plan.

Stockpiled ore number includes 2.2Mt of mineralized waste.

7.2 Ore Processing

Ore processed – reporting period (t)	Expected quantity to be processed during next reporting period (DMT)
7,794,575	6,879,658

Production Notes: N/A

7.3 Concentrate or Other Product Exported

Amount of concentrate or other product exported – reporting period (t)	Expected amount of ore to be exported during next reporting period (t)
117,057 (Dry Metric Tonnes)	103,949 DMT

Production Notes:
Exported amounts quoted above include both domestic and overseas concentrate sales.

7.4 Overburden / Wastes

Reporting Period – Overburden/Waste Mined (t)	Next reporting period – Overburden to be mined (t)
730,149	1,146,613

Production Notes:

Volume of PAF and NAF material mined during reporting period (t)	Remaining capacity of current waste facilities or planned future waste facilities as per approved PEPR

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PAF – 8257.1 t (as part of the PHOX shaft project) NAF –730,149 t	5.6Mt
Will the remaining quantities of overburden to be mined be accommodated in the current or planned waste facilities (WRD, TSF)? If not include what future work?	
Yes, there is still capacity within the current waste facilities. Noting that the majority of NAF material is now being stockpiled within a designated facility in the base of the open pit and is also being backfilled underground.	
Is your waste facilities sufficient to deal with the volume of PAF material generated annually? If not include what future work is required? (Include any identification of PAF and NAF in the preceding reporting period and strategies to minimize the environmental impacts of this material.)	
Approx 8257 t of PAF was intercepted during the construction of the shaft project, and as previously approved was disposed within the TSF. No PAF material is expected to be mined into the future. Any PAF material intercepted during the course of mining will be stored in a designated location within the in-pit waste rock dump.	

8 Compliance Summary

No non-compliances were recorded against the Outcome Measurement Criteria (OMC) and Leading Indicators (LI) specified within Section 9 of this report.

9 Compliance Tables

Compliance for the reporting period is summarised in Sections 9.1 to 9.18 below.

The following explanations apply to the column headings for each table:

- OMC and Leading Indicator Compliance Status:
 - Compliant (to OMC or Leading Indicator)
 - Non-Compliant
 - Unable to Determine or
 - No longer relevant to risk profile of project
- Evidence: For each criterion, state what measurements were taken to monitor compliance and provide an interpretation of the results (i.e. compliant or noncompliant Provide a summary of the key measurements (use a graph to summarise data where possible) and refer to a summary of the detailed/raw data (if necessary) in an appendix but only to the extent necessary to verify the compliance conclusion reached. Where graphs are used to illustrate compliance, the relevant compliance limits must be clearly included on the graph. Evidence where applicable should include document control number of report or technical memo.
- Forward Work Plan: If non-compliant, leading indicators triggered or any alterations to outcomes or outcome measurement criteria are recommended summarise actions being undertaken to rectify. If unable to demonstrate compliance state reasons, relevance of the outcome measurement criteria to the current risk profile of the project or current stage of the project. Are outcome measurement criteria or lease condition amendments required? Quantify the risks associated with the non-compliance if applicable? Was the Leading indicator adequate to pick up the non-compliance or does it need to be amended?

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9.1 Surface Water

Tenements: All EMLs	Compliance Status: Compliant
Grouped Condition and Impact No: GC07, IN7	
Environmental Outcome: No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to spillage of miscellaneous chemicals or generation of fugitive sediment from activity within the EMLs	
Outcome Measurement Criteria Summary: <ul style="list-style-type: none"> • Annual inspection including photographs taken at four corners of EML and areas in the EML where high runoff is detected. • Records maintained within the incident reporting system (INControl) indicate that all spills of miscellaneous chemicals are managed in accordance with Chemical and hydrocarbon spill procedure (PH-9999- SEC-PRO-0056). 	
Evidence and Forward Work Plan: Inspections were carried out on all EML sites in May 2023. Photographic records have been captured at each EML and demonstrate some minor erosion at a number of sites, with rilling on the slopes of the EML depression. However, it should be noted that all sediment is flowing into the depression of the EML and is not flowing outside of the EML boundary. Examples of erosion are shown in Plate 1 and 2. A maintenance works plan has been scheduled for late 2023, early 2024 to complete earthworks and infill the rills. Additionally, a small bund will be installed at each of the EMLs with erosion issues to prevent recurrence of the issue. No spills have occurred at the EMLs during the reporting period.	

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Plate 1 EML 6281 NE corner showing rilling into the EML depression



Plate 2 EML 6283 SW corner showing rilling into the EML depression.

Supporting Report Reference: N/A

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Tenements: ML6228

Compliance Status: Compliant

Grouped Condition: GC15, IN15.1

Environmental Outcome:

No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to generation of fugitive sediment

Outcome Measurement Criteria Summary:

Concentrations of targeted heavy metals are in the 'low risk (no action)' category identified in the decision tree process in Figure 7-2 and Section 3.5 of the ANZECC/ARMCANZ (2000) sediment quality guidelines (see Figure 7-2).

As per this ANZECC/ARMCANZ decision tree approach, the outcome is achieved if:

- Concentrations of targeted heavy metals are below Interim Sediment Quality Guideline trigger values (ISQG-Low) identified in the ANZECC/ARMCANZ (2000) sediment quality guidelines, or where no guideline trigger value is specified, concentrations are below an adopted trigger value calculated in accordance with ANZECC/ARMCANZ (2000) as stated in Table 7-3 to Table 7-7); or
- If the ISQG-Low trigger values are exceeded, concentrations of targeted heavy metals are below background concentrations; or
- If ISQG-Low trigger values or adopted trigger values (Table 7-3 to Table 7-7) (where relevant) and background concentrations are exceeded, bioavailable concentrations (analysed as acid extractable metals) are below ISQG-Low trigger values or adopted trigger values (where relevant); or
- If bioavailable concentrations exceed ISQ-Low trigger values or adopted trigger values (Table 7-3 to Table 7-7), acute and chronic toxicity testing conducted in accordance with ANZECC/ARMCANZ (2000) demonstrates that concentrations are in the 'low risk (no action)' category.

Evidence and Forward Work Plan:

Laboratory results of sediment samples for the 2023 reporting period were compared against the ANZECC/ARMCANZ (2000) sediment quality guidelines and internal trigger limits. None of the constituents analysed have exceeded upper trigger levels at the compliance sites (WA-2, WA-3, WW-1, WW-2, WW-3 and MI-1).

As recommended by Golder in 2021 an additional internal monitoring location (WA-1b) was established downstream of WA-1. Monitoring frequency has also been increased to six monthly. A full summary of the results is provided in the Sediment Analysis Report – Prominent Hill 2023 attached as Appendix 2

Supporting Report Reference: Appendix 2 - Sediment Analysis Report Prominent Hill 2023 (OZ Minerals).

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Tenements: ML6228	Compliance Status: Compliant
Grouped Condition: GC15, GC18, IN 15.2	
Environmental Outcome: No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to spillages of miscellaneous chemicals	
Outcome Measurement Criteria Summary: Records maintained within the incident reporting system (INControl) indicate that all spills of miscellaneous chemicals are managed in accordance with the Chemical and hydrocarbon spill procedure (PH-9999-SEC-PRO-0056).	
Evidence and Forward Work Plan: All spills which occur on site are recorded in the InControl risk management database. Records of these can be provided upon request. A review of these records indicates that all spills have been cleaned up and disposed of immediately as per the outcome achievement criteria.	
Supporting Report Reference: N/A	

Tenements: M6228	Grouped Condition: GC15, GC18, IN 15.3	Compliance Status: Compliant
Environmental Outcome: No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to altered flow regimes.		
Outcome Measurement Criteria Summary: Refer to Section 9.3 Flora and Fauna		
Leading Indicator Criteria Summary: Refer to Section 9.3 Flora and Fauna		
Evidence and Forward Work Plan: Refer to Section 9.3 Flora and Fauna		
Supporting Report Reference: Appendix 3 Prominent Hill Annual Vegetation and Habitat Compliance Monitoring 2023 (EcoLogical, 2023)		

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Prominent Hill – Safety, Health and Environment

Tenements: ML6228	Compliance Status: Compliant
Grouped Condition: GC15, IN15.4	
Environmental Outcome: No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to seepage from the TSF or process water dam.	
Outcome Measurement Criteria Summary: Concentrations of targeted heavy metals are in the 'low risk (no action)' category identified in the decision tree process in Figure 7-2 and Section 3.5 of the ANZECC/ARMCANZ (2000) sediment quality guidelines (see Figure 7-2). As per this ANZECC/ARMCANZ decision tree approach, the outcome is achieved if: <ul style="list-style-type: none"> • Concentrations of targeted heavy metals are below Interim Sediment Quality Guideline trigger values (ISQG-Low) identified in the ANZECC/ARMCANZ (2000) sediment quality guidelines, or where no guideline trigger value is specified, concentrations are below an adopted trigger value calculated in accordance with ANZECC/ARMCANZ (2000) as stated in Table 7-3 to Table 7-7); or • If the ISQG-Low trigger values are exceeded, concentrations of targeted heavy metals are below background concentrations; or • If ISQG-Low trigger values or adopted trigger values (Table 7-3 to Table 7-7) (where relevant) and background concentrations are exceeded, bioavailable concentrations (analysed as acid extractable metals) are below ISQ-Low trigger values or adopted trigger values (where relevant); or • If bioavailable concentrations exceed ISQ-Low trigger values or adopted trigger values (Table 7-3to Table 7-7), acute and chronic toxicity testing conducted in accordance with ANZECC/ARMCANZ (2000) demonstrates that concentrations are in the 'low risk (no action)' category. 	
Leading Indicator Criteria Summary: Annual external third-party audit of operational TSF that that includes but is not limited to: <ul style="list-style-type: none"> • visual inspection of structural integrity, ie. no seepage or cracks in perimeter • review of operational surveillance records and piezometer monitoring data 	
Evidence and Forward Work Plan: Annual audit completed by WSP (2023) indicates there was no evidence of erosion on the perimeter of the TSF during the reporting period. The WSP Annual TSF review report has been provided as Appendix 4.	

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Supporting Report Reference: Appendix 4 Tailings Storage Facility 2022 Operational Review Prominent Hill (WSP 2023)

Tenements: ML6228	Compliance Status: Compliant
Grouped Condition: GC15, IN15.5	
Environmental Outcome: No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to ARD.	
Outcome Measurement Criteria Summary: Concentrations of targeted heavy metals are in the 'low risk (no action)' category identified in the decision tree process in Figure 7-2 and Section 3.5 of the ANZECC/ARMCANZ (2000) sediment quality guidelines (see Figure 7-2). As per this ANZECC/ARMCANZ decision tree approach, the outcome is achieved if: <ul style="list-style-type: none"> • Concentrations of targeted heavy metals are below Interim Sediment Quality Guideline trigger values (ISQG-Low) identified in the ANZECC/ARMCANZ (2000) sediment quality guidelines, or where no guideline trigger value is specified, concentrations are below an adopted trigger value calculated in accordance with ANZECC/ARMCANZ (2000) as stated in Table 7-3 to Table 7-7); or • If the ISQG-Low trigger values are exceeded, concentrations of targeted heavy metals are below background concentrations; or • If ISQG-Low trigger values or adopted trigger values (Table 7-3 to Table 7-7) (where relevant) and background concentrations are exceeded, bioavailable concentrations (analysed as acid extractable metals) are below ISQ-Low trigger values or adopted trigger values (where relevant); or If bioavailable concentrations exceed ISQ-Low trigger values or adopted trigger values (Table 7-3 to Table 7-7), acute and chronic toxicity testing conducted in accordance with ANZECC/ARMCANZ (2000) demonstrates that concentrations are in the 'low risk (no action)' category.	
Leading Indicator Criteria Summary: Review of records undertaken annually while WRDs operational confirm that NAF thicknesses of 10 m minimum surrounding PAF material has been maintained during operation.	
Evidence and Forward Work Plan: A review of annual aerial photography data and visual inspection completed by the onsite geotechnical team showed no indication that PAF cover was compromised. Please also refer to GC15, IN15.1 above.	
Supporting Report Reference: Appendix 5 Prominent Hill Aerial Imagery 2023	

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Tenements: ML6228	Compliance Status: Compliant
Grouped Condition: GC15, IN15.6	
Environmental Outcome: No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to water from open pit and underground operations.	
Outcome Measurement Criteria Summary: Compliance with measurement criteria (sediment quality) detailed for Impact 15.1. If leading indicator is triggered, further investigation (e.g. additional sampling, modelling of seepage extent and targeted inspections for indications of seepage (e.g. surface salinity, vegetation changes) indicates that seepage has not or is not likely to adversely affect aquatic fauna and habitat biodiversity (incl. riparian vegetation). In the event that an emergency (controlled) discharge of pit water and/ or underground water needs to occur, records to demonstrate that approval was obtained from DEM, and that pit water quality data was collected.	
Leading Indicator Criteria Summary: N/A	
Evidence and Forward Work Plan: A review of the InControl and Borealis databases demonstrates there has been no emergency discharge of pit water to the environment during the reporting period.	
Supporting Report Reference: N/A	

9.2 Groundwater

Tenements: ML6228, MPL81,82, MPL91, 96, 97, 101, MPL 112-117	Compliance Status: Unable to confirm.
Grouped Condition: GC16, IN16	
Environmental Outcome: No reduction in groundwater flows and/or quality to the Great Artesian Basin springs due to project water extraction.	
Outcome Measurement Criteria Summary: Groundwater pressure results to be within historical variation (i.e., 90-115 kpa) and show no decreasing trend that is attributable to Prominent Hill operations. Water quality results (pH and salinity) are within baseline (+/-10%).	
Leading Indicator Criteria Summary: N/A	

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Evidence and Forward Work Plan: The Margaret Creek Bore reported stable groundwater levels, however the well head pressure gauge (used to calculate the water level) has been non-operational since 18 /1/ 2023. As such the most recent readings cannot be verified and may not be accurate. The failure of the gauge was reported to the Department for the Environment and Water on the 18/1/2023 as the bore is part of their groundwater monitoring infrastructure.

Supporting Report Reference: Appendix 6 2023 Compliance Report Water Resource Works Approval 396907 (EcoLogical, 2023)

Tenements: ML6228, MPL81,82, MPL91, 96, 97, 101, MPL 112-117

Compliance Status: Compliant

Grouped Condition: GC17, GC18 IN17.1

Environmental Outcome:

No reduction in groundwater quantity and/or quality to existing third-party users of the Boorthanna Formation aquifer resulting in a loss of ability to operate pastoral station due to project water abstraction.

No reduction in groundwater quantity and/or quality to existing third-party users of the Eromanga Formation aquifer due to project water abstraction.

Outcome Measurement Criteria Summary:

This outcome is achieved by demonstrating that there has been no reduction in overall water supply access to the landholder to meet the demand of pastoral operations as a result of drawdown of the Boorthanna Formation & Eromanga Formation. This can be demonstrated by:

- Hydrographs which show no declining trend in standing water level or a drawdown of less than 2 m.
- In an instance where there is more than 2 m of drawdown within a third party well that is used for water supply purposes OZ Minerals must undertake a make good agreement to replace or renew lost water supply. This must be implemented before there is less than 2 m of available drawdown above the pump inlet.

Evidence of any replacement/ renew water supply strategies and acceptance of these by the landholder must be provided to DEM.

Water quality results (salinity) are within baseline (+/- 20% as agreed with landholders)

Leading Indicator Criteria Summary:

Standing water levels measured against model outputs to confirm if levels are trending in accordance with model predictions, or to confirm when a well will soon become unusable and thus engagement with the landholder is required for replacement/ renew water supply strategies.

Evidence and Forward Work Plan:

Monitoring conducted during July 22 – June 23 demonstrates no reduction in the water quality or standing water levels that has resulted in a loss of ability to operate their pastoral station and, no reduction in water quality in the non-artesian Eromanga.

Groundwater monitoring results will be submitted to the Department for the Environment and Water in line with the requirements of OZ Minerals' Water Licence requirements.

Supporting Report Reference: Appendix 6 2023 Compliance Report Water Resource Works Approval 396907 (EcoLogical, 2023)

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Tenements: ML6228	Compliance Status: Compliant
Grouped Condition: GC17, IN17.2	
Environmental Outcome: No reduction in groundwater quality affecting suitability for water uses (potable use and agricultural use) due to seepage from TSF or acid rock drainage from the IWL.	
Outcome Measurement Criteria Summary: Water sampling and laboratory analysis of bulldog shale wells (shallow wells) and non-Artesian Eromanga aquifer wells (deep wells) (Figure 7-5) and analysis of pH, EC and metals demonstrates water quality is within the rolling two-year statistical analysis over the preceding two years for all samples.	
Leading Indicator Criteria Summary: Review of records undertaken annually while WRDs operational confirm that NAF thicknesses of 10 m minimum surrounding PAF material has been maintained during operation. Annual external third-party audit of operational TSF that includes but is not limited to: <ul style="list-style-type: none"> • visual inspection of structural integrity, i.e., no seepage or cracks in perimeter • review of operational surveillance records and piezometer monitoring data 	
Evidence and Forward Work Plan: Following the outcomes of the statistical assessment, based on the available results, concentrations of indicator analytes in groundwater sampled from shallow groundwater wells (targeting the Bulldog Shale which is not used as a regional source of water) were considered to be either stable or decreasing with the exception of a small number of analytes from some shallow groundwater wells which were observed to be potentially increasing. These potentially increasing concentrations were not considered to be reflective of contamination, rather they were considered reflective of changes in groundwater level (from recent above average rainfall) and/ or general background regional conditions. Concentrations of indicator analytes in groundwater sampled from deep groundwater wells (targeting the non-artesian Eromanga Aquifer which is utilised regionally as a water source outside of the Mine Lease area) were considered to be generally stable and did not exhibit significant increasing trends. Further, the assessment of results for the shallower groundwater wells did not identify the need to expand the monitoring program for the deeper groundwater wells. Based on the outcomes of this assessment, noting the observed stable conditions of the deeper non-artesian Eromanga Aquifer, it is considered that there has been no reduction in groundwater quality affecting suitability for water uses (potable use and agricultural use) due to seepage from the TSF or acid rock drainage from the IWL.	
Supporting Report Reference: Appendix 7 Groundwater Quality Assessment – Prominent Hill Mine, SA (Land & Water Consulting, 2023)	

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9.3 Flora and fauna

Tenements: All tenements	Grouped Condition: GC13, GC14, IN13	Compliance Status: Compliant
<p>Environmental Outcome: Environmental offsets are approved and in place for all clearance of native vegetation</p>		
<p>Outcome Measurement Criteria Summary: Habitat Quality Indicators including vegetation and soils (representing broader ecosystem function) 100 x 100m VEGETATION QUADRATS (Biol. Survey Method)</p> <ul style="list-style-type: none"> • identification of all species present (species diversity/richness, inclusive of annuals) • cover (%) of individual species • species identified as recruiting. <p>10 x 2m SUB PLOT within VEGETATION QUAD RAT. For each 1 x 1 m unit of sub-plot:</p> <ul style="list-style-type: none"> • estimate of% grass cover (ephemerals, annuals) • estimate of% bare ground • estimate of% litter cover within the plot • estimate of% surface crust • counts of recruits (all shrubs) to provide recruitment score • long lived perennials (over and under storey) via species abundance counts (density) for both juveniles and adults. <p>Panoramic photographs collected to aid in assessment of vegetation cover for recruitment.</p> <p>Observational data to be collected at all sites including (but not limited to) vehicle tracks, erosion, vegetation clearing, distance to mine site, light, dust, inappropriate access, feral animals and weeds.</p> <p>GIS output of approved clearance boundary and actual clearance boundary.</p>		
<p>Leading Indicator Criteria Summary: Reduction of perennial species abundance (counts) at impact sites without a corresponding reduction at control sites over three consecutive monitoring periods.</p>		
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Suppression of recruitment indicated by a reduction in recruitment index scores at impact sites without a corresponding reduction at control sites over three consecutive monitoring periods.

An increase in bare ground and/or scald/erosion % cover at impact sites without a corresponding reduction at control sites over three consecutive monitoring periods.

If leading indicator triggered, further assessment of detected impacts vs pre-mine condition by comparison with sites outside of SEB area required to determine non-compliance with lease condition.

Annual review of vegetation clearance confirms all clearance has been approved

Evidence and Forward Work Plan:

EcoLogical Associated were engaged to conduct the annual vegetation survey that was conducted in May 2023. The following is a summary of their findings. The full report is provided as an Appendices to this document.

Statement addressing achievement of outcome measurement criteria:

The species diversity, vegetation cover and the percentage of species recruiting in 2023 remains high, compared to the historical data (2017-2022).

Chenopod Shrubland and Mallee Woodlan had higher diversity at control sites than impact sites. Impact sites had higher diversity in the Acacia Woodlands.

The percentage of vegetation cover was higher at control than impact sites for Acacia Woodland and Chenopod Shrublands.

The percentage of native perennial species recruiting was higher for control sites than impact sites across all three vegetation types in 2023.

Greater amounts of rabbit activity were observed at impact sites compared to control sites for all three vegetation types.

Statement addressing leading indicators:

The average total species diversity increased in 2023, when compared to 2022. Native vegetation cover (abundance) has remained constant over the 2021-2023 period.

The proportion of species recruiting is higher at control sites than impact sites for all three vegetation types.

The amount of grass cover at all sites (except Mallee Woodland) has increased compared to 2022.

The percentage of bare ground cover has increased in 2023 at both control and impact sites for Acacia Woodland and Chenopod Shrubland with a decrease at the Mallee control site. A decrease in scalding at control sites across all three vegetation types since 2022.

Supporting Report Reference: Appendix 3 Prominent Hill Annual Vegetation and Habitat Compliance Monitoring 2023 (EcoLogical, 2023)

Tenements: All tenements	Grouped Condition: GC12, IN12	Compliance Status: Compliant
Environmental Outcome:		
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No loss of abundance or diversity of native vegetation, or reduction in habitat quality, on or off the Mining and or miscellaneous purposes lease areas during construction, operation as a result of mining activities unless prior approval under relevant legislation is obtained and environmental offsets are approved and in place.

Outcome Measurement Criteria Summary: As per GC13 above.

Leading Indicator Criteria Summary:

Indicators of habitat degradation, including:

Reduction of perennial species abundance (counts) at impact sites without a corresponding reduction at control sites over three consecutive monitoring periods.

Suppression of recruitment indicated by a reduction in recruitment index scores at impact sites without a corresponding reduction at control sites over three consecutive monitoring periods.

An increase in bare ground and/or scald/erosion % cover at impact sites without a corresponding increase at control sites over three consecutive monitoring periods.

If leading indicator triggered, implement targeted threatened bird surveys to confirm ongoing presence of Thick-billed Grasswren and Chestnut-breasted Whiteface within impacted sites.

Evidence and Forward Work Plan: As provided for Grouped Conditions: GC13, GC14, IN13 above.

Supporting Report Reference: Appendix 3 Prominent Hill Annual Vegetation and Habitat Compliance Monitoring 2023 (EcoLogical, 2023)

Tenements: All tenements

Grouped Condition: GC64, IN64

Compliance Status: Compliant

Environmental Outcome:

No introduction of new species of weeds, plant pathogens or pests (including feral animals), nor sustained increase in abundance of existing weed or pest species in the licence area compared to adjoining land as a result of mining operations.

Outcome Measurement Criteria Summary:

Weed infestations are recorded, treated and monitored for ongoing management requirements.

Pest animal sightings are recorded and will result in the initiation of a trapping/baiting program and subsequent monitoring.

Leading Indicator Criteria Summary:

Annual review of the weed survey and management register (results of field monitoring and visual observations) considering trends that could indicate population increase or new weed species.

Quarterly review of cat sightings and trapping register considering trends that could indicate population increase and requirement for increase in trapping program

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Evidence and Forward Work Plan:

EcoLogical Associates were engaged to conduct the annual vegetation survey which was conducted in May 2023. The following is a summary of their findings. The full report is provided as an Appendix to this document.

Statement addressing achievement of outcome measurement criteria:

Weed monitoring was completed in and outside of the ML. No new weed species were detected in the 2023 monitoring period across the five weed monitoring sites or at the 20 permanent vegetation monitoring sites.

The abundance of *Malvastrum americanum var americanum* has reduced in abundance at sites 2 – 5 with no statistical difference observed.

There was no observation of feral predator animals during the survey. Recent rabbit activity was observed at nine floristic sites.

Statement addressing leading indicators:

As determined by EcoLogical Associates no new weed species have been detected in the reporting period. There has been an increase in weed presence within the village area attributed to increased rainfall. A regular weeding campaign is undertaken by the village contractors to ensure this is controlled.

A regular feral cat trapping program is undertaken by the environment team prompted by reports of sightings by site personnel. During the 2022-23 reporting period 5 feral cats were captured and euthanised.

The environment team also undertake a six-monthly wild dog baiting program to meet our obligations under the Landscape South Australia Act 2019.

Appendix 3 Prominent Hill Annual Vegetation and Habitat Compliance Monitoring 2023 (EcoLogical, 2023)

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9.4 Radiation and air quality measurement

Tenements: ML6228	Grouped Condition: GC46, IN46	Compliance Status: Compliant
Environmental Outcome: No adverse impacts on flora and fauna due to the release or accumulation of radionuclides into the environment.		
Outcome Measurement Criteria Summary: Record review - compliance reporting under the Radiation and Protection Control Act 1982 and associated facilities licence Reporting demonstrates compliance with facilities licence.		
Leading Indicator Criteria Summary: N/A		
Evidence and Forward Work Plan: The Environmental Radiation Monitoring Report (OZ Minerals 2023) has been submitted to the EPA demonstrating compliance with the facilities licence.		
Supporting Report Reference: Appendix 8 Environmental Radiation Monitoring Report Prominent Hill – January 2022 to December 2022 (OZ Minerals 2023)		

Tenements: MPL 81, 82, MPL 119-122, MPL 93, 94, MPL 112-117. MPL 91, 96, 97, 101. All EML tenements	Grouped Condition: GC11, IN11	Compliance Status: Compliant
Environmental Outcome: No significant nuisance impacts due to dust as a result of project activities. (A significant nuisance impact is considered to be one that generates a complaint that is attributable to project activities and cannot be addressed within the timeframes specified in the measurement criteria.)		
Outcome Measurement Criteria Summary: Annual review of complaints register demonstrates that in respect of complaints relating to dust impacts from project activities: complaint initially responded to within 5 business days issues underlying complaint are currently/have been investigated, causes identified, complaint closed and corrective actions implemented within a reasonable period or other time frame agreed by DPC and/or complainant.		
Leading Indicator Criteria Summary: N/A		

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Evidence and Forward Work Plan: A review of the Borealis Stakeholder Compliance Management System shows no complaints have been received relating to dust over this reporting period.

Supporting Report Reference: N/A

9.5 Land use

Tenements: ML6228, MPL 81, 82, MPL 119-122, MPL 93, 94, MPL 112-117. MPL 91, 96, 97, 101. EML 6278 - 6296, 6299 -6301 EML 6234, 6236 - 6242	Grouped Condition: GC06, IN6	Compliance Status: Compliant
Environmental Outcome: No long-term soil contamination that would compromise agreed future land uses.		
Outcome Measurement Criteria Summary: Investigation and corrective actions triggered as a result of an accidental spill report demonstrate that all spillage to soil have been remediated as per Chemical and hydrocarbon spill procedure (PH-9999-SEC-PRO-0056).		
Leading Indicator Criteria Summary: N/A		
Evidence and Forward Work Plan: All spills which occur on site are recorded in the InControl risk management database. Records of these can be provided upon request. A review of these records indicates that all spills have been cleaned up and disposed of immediately as per the outcome achievement criteria.		
Supporting Report Reference: N/A		

Tenements: All tenements	Grouped Condition: GC65, IN65	Compliance Status: Compliant
Environmental Outcome: No adverse impacts to Department of Defence operations within the WPA.		
Outcome Measurement Criteria Summary: Quarterly review of records demonstrates there has been no breaches of the deed with DoD or if a breach has occurred that it was notified within 24 hours and corrective actions are closed out within 14 days or other time frame agreed by Department of Defence (or other authorised officer) in accordance with PH- 9999-SEC-PRO-0052 Enquiry, Complaint and Grievance Management Procedure.		

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Leading Indicator Criteria Summary: N/A

Evidence and Forward Work Plan:

A review of the Borealis stakeholder communications database shows there were no breaches of the deed with DoD during the reporting period.

Supporting Report Reference: N/A

9.6 Roads, traffic and other infrastructure

Tenements: ML6228, MPL 81, 82, MPL 119-122, MPL 93, 94, MPL 112-117. MPL 91, 96, 97, 101. EML 6278 - 6296, 6299 -6301 EML 6234, 6236 - 6242	Grouped Condition: GC19, GC20, IN19	Compliance Status: Compliant
<p>Environmental Outcome: No significant adverse impacts on pastoral roads, public roads, traffic and other infrastructure.</p>		
<p>Outcome Measurement Criteria Summary: Complaint initially responded to within 24 hours. Issues underlying complaint are/ have been investigated, causes identified, complaint closed, and corrective actions implemented within 14 days. Reporting demonstrates all complaints regarding roads, traffic and other infrastructure related to mining activities have been responded to within 24 hours and corrective actions are closed out within 14 days or other time frame agreed by Director of Mines (or other authorised officer) in accordance with PH-9999-SEC-PRO- 0052 Enquiry, Complaint and Grievance Management Procedure.</p>		
<p>Leading Indicator Criteria Summary: N/A</p>		
<p>Evidence and Forward Work Plan: A review of the Borealis stakeholder communications database demonstrates that one complaint was received in relation to a cattle strike on the access road. The complaint was received on the 12 February 2023 and responded to by the Senior Social Performance Advisor within the required 24 hour response time. Follow up investigation resulted in the resolution by OZ Minerals, to construct a livestock proof fence along an area of the access road designated by the landholder. This work was completed in June – July 2023.</p>		
<p>Supporting Report Reference: Available upon request</p>		

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9.7 Indigenous and non-indigenous cultural heritage management

Tenements: ML6228, MPL 81, 82, MPL 119-122, MPL 93, 94, MPL 112-117, MPL 91, 96, 97, 101. EML 6278 - 6296, 6299 -6301 EML 6234, 6236 - 6242	Grouped Condition: GC19, GC20, IN19	Compliance Status: Compliant
Environmental Outcome: No disturbance to indigenous and non-indigenous artefacts or sites of significance unless it is authorised under the relevant legislation (Aboriginal Heritage Act 1988 or Heritage Places Act 1993).		
Outcome Measurement Criteria Summary: Land disturbance is within areas subject to cultural heritage clearance. No disturbance to identified sites attributable to project operations. Records demonstrate that work ceased in the immediate area of discovery, appropriate authorities were advised, and work recommenced only after necessary authorisation under the Aboriginal Heritage Act 1988 was obtained.		
Leading Indicator Criteria Summary: N/A		
Evidence and Forward Work Plan: Cultural heritage inspections have been completed and recorded (with photographs) on the cultural heritage database located on the OZ Minerals server. Due to cultural sensitivities these images are not provided. Please contact OZ Minerals if you require further clarification.		
Supporting Report Reference: Confidential. Available upon request.		

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9.8 Summary of grouped lease conditions with corresponding environmental outcomes

Grouped Condition No.	Grouped Lease Conditions	Corresponding Environmental Outcome (see Table 7-21 in PEPR 2022 for details)	OMC Status	Evidence
GC05	The Lessee must ensure that all fuel and liquid chemical storage areas are bunded and lined in accordance with current EPA (South Australia) guidelines	No long-term soil contamination that would compromise agreed future land uses	Compliant	Refer to Table 9.5
GC06	The Lessee must, in constructing, operating and post mine closure ensure there is no post-closure soil contamination.	No long-term soil contamination that would compromise agreed future land uses	Compliant	Contaminated site register holds all contamination information, possible subsequent investigation to be managed at closure.
GC07	The Lessee of active Extractive Mineral Leases (EMLs) must ensure that all water borne silt (or any other mining related contaminants) be contained on the mining lease EMLs.	Water borne silt (or any other mining related contaminants) is contained on the mining lease EMLs.	Compliant	As for GC07 in Table 9-1
GC08	The Lessee/Licensee must, in constructing, operating the lease/licence, ensure there is no disturbance to indigenous and non-indigenous artefacts or sites of significance unless prior approval under the relevant legislation (<i>Aboriginal Heritage Act 1988</i> or <i>Heritage Places Act 1993</i>) is obtained.	No disturbance to indigenous and non-indigenous artefacts or sites of significance unless it is authorised under the relevant legislation (<i>Aboriginal Heritage Act 1988</i> or <i>Heritage Places Act 1993</i>).	Compliant	As for GC08 in Table 9-7
GC9	The Lessee/Licensee must ensure that all employees and contractors on-site are properly advised of the significance of Aboriginal heritage and culture and are to take due care to preserve all Aboriginal Sites and Objects as defined by the Aboriginal Heritage Act 1988.	As for GC08	Compliant	As for GC08 in Table 9-7
GC11	The Lessee/Licensee must ensure that dust from the operation be effectively controlled and managed.	No significant nuisance impacts due to dust as a result of project activities.	Compliant	As for GC11 in Table 9-4
GC12	The Lessee/Licensee must, in constructing, operating the lease/licence, and post mine closure, ensure there is no significant adverse impact to the abundance and diversity of threatened or non-threatened native fauna species.	No loss of abundance or diversity of native vegetation, or reduction in habitat quality, on or off the Mining and or miscellaneous purposes lease areas during construction, operation and post mine completion through:	Compliant	As for GC14 in 9-3

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Grouped Condition No.	Grouped Lease Conditions	Corresponding Environmental Outcome (see Table 7-21 in PEPR 2022 for details)	OMC Status	Evidence
		<ul style="list-style-type: none"> ▪ land clearance, ▪ dust/contaminant deposition, ▪ fire, ▪ reduction in, or introduction of, water supply, or ▪ other damage, unless prior approval under relevant legislation is obtained and environmental offsets are approved and in place.		
GC13	The Lessee must, in constructing, operating and post mine closure ensure there is no avoidable disturbance to vegetation.	As above	Compliant	As for GC14 in Table 9-3 and as for GC08 in Table 9-7
GC14	The Lessee/Licensee must, in constructing, operating and lease/licence, and post mine closure, ensure there is no significant adverse impact on the abundance and diversity of threatened or non-threatened native flora species or communities	As above	Compliant	As for GC12 in Table 9-3
GC15	The Lessee must, in constructing, operating and post mine closure ensure no long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to: <ul style="list-style-type: none"> ▪ generation of fugitive sediment ▪ miscellaneous chemicals ▪ altered flow regime ▪ seepage from Tailings Storage Facility ▪ seepage from the process water dam ▪ acid Rock Drainage ▪ pit water. 	No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to generation of fugitive sediment No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to spillages of miscellaneous chemicals No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to seepage from the TSF No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to ARD	Compliant	As for GC15 in Table 9-1

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Grouped Condition No.	Grouped Lease Conditions	Corresponding Environmental Outcome (see Table 7-21 in PEPR 2022 for details)	OMC Status	Evidence
		No long-term adverse effect on aquatic fauna and habitat biodiversity (including riparian vegetation) due to water from open pit and underground operations.		
GC16	The Lessee must, in constructing, operating and post mine ensure there is no reduction in groundwater flows to Great Artesian Basin springs due to project water extraction.	No reduction in groundwater flows to Great Artesian Basin springs due to project water extraction.	Compliant	As for GC 16 in Table 9-2
GC17	The Lessee must, in constructing, operating and post mine closure ensure that is no reduction in the quantity and quality of water for existing users.	No reduction in groundwater quantity and/or quality to existing third-party users of the Boorthanna Formation aquifer resulting in a loss of ability to operate pastoral station due to project water abstraction. No reduction in groundwater quantity and/or quality to existing third-party users of the non-artesian Eromanga aquifer due to project water abstraction. No reduction in groundwater quality affecting suitability for water uses (potable use and agricultural use) due to seepage from TSF or acid rock drainage from the IWL	Compliant	As for GC17 and 18 detailed in Table 9-2
GC18	The Licensee must, in constructing and operating the Miscellaneous Purposes Licences, ensure that there is no adverse impact to the quality and quantity of groundwater and or surface water caused by mining operations to existing users and water dependent ecosystems.	No reduction in groundwater quantity and/or quality to existing third-party users of the Boorthanna Formation aquifer resulting in a loss of ability to operate pastoral station due to project water abstraction. No reduction in groundwater quantity and/or quality to existing third-party users of the non-artesian Eromanga aquifer due to project water abstraction.	Compliant	As for GC17 and 18 detailed in Table 9-2

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Grouped Condition No.	Grouped Lease Conditions	Corresponding Environmental Outcome (see Table 7-21 in PEPR 2022 for details)	OMC Status	Evidence
GC19	The Lessee must, in constructing, operating and post mine closure ensure no significant adverse impacts on public roads, traffic and power supplies.	No significant adverse impacts on pastoral roads, public roads, traffic and other infrastructure	Compliant	As per GC 19 detailed in Table 9-6
GC20	The Licensee must, in constructing and operating the licence, ensure that there is no unauthorised damage to adjacent public or private infrastructure.	As above	Compliant	As per GC 19 detailed in Table 9-6
GC22	The Lessee must control erosion on the external slopes of the Integrated Waste Landform	No long-term soil contamination that would compromise agreed future land uses.		As per GC 22 detailed in Table 9.5
GC27	Adjacent land use: The Licensee must in constructing and operating the Licence, ensure that there are no adverse impacts to adjacent land use.	No significant adverse impacts on pastoral roads, public roads, traffic and other infrastructure. No adverse impacts to Department of Defence operations within the Woomera Prohibited Area.		As per GC27 details in Table 9.6
GC45	The Lessee must, in constructing, operating and post mine closure ensure there is no adverse impact on pastoralists' incomes.	No reduction in groundwater quantity and/or quality to existing third-party users of the Boorthanna Formation aquifer resulting in a loss of ability to operate pastoral station due to project water abstraction. Other relevant impacts are discussed, addressed and managed if the arise. No reduction in groundwater quantity and/or quality to existing third-party users of the non-artesian Eromanga aquifer due to project water abstraction.		As for GC45 detailed in Table 9.2
GC46	The Lessee must, in constructing, operating and post mine closure ensure there is no adverse impacts on flora and fauna due to the release or accumulation of radionuclides into the environment.	No adverse impacts on flora and fauna due to the release or accumulation of radionuclides into the environment.	Compliant	As for GC46 detailed in Table 9-4

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Grouped Condition No.	Grouped Lease Conditions	Corresponding Environmental Outcome (see Table 7-21 in PEPR 2022 for details)	OMC Status	Evidence
GC61	The Lessee/Licensee must ensure that all affected topsoil is removed and stockpiled prior to carrying out any activity, and minimise the mixing and erosion of topsoil and overburden stockpiles	No loss of abundance or diversity of native vegetation, or reduction in habitat quality, on or off the Mining and or miscellaneous purposes lease areas during construction, operation and post mine completion through: <ul style="list-style-type: none"> • land clearance • dust/contaminant deposition • fire • reduction in, or introduction of, water supply or • other damage unless prior approval under relevant legislation is obtained and environmental offsets are approved and in place		As for GC61 detailed in Table 9.3
GC64	The Lessee/Licensee must in constructing, operating the lease/licence and post mine closure ensure no introduction of new weeds, plant pathogens or pests (including feral animals), nor increase in abundance or distribution of existing weed or pest species in the lease/licence area and adjacent areas caused by mining operations. The Lessee/Licensee must ensure that all employees and contractors on-site are fully aware of the requirement to operate in a manner that will minimise the spread of weeds and plant pathogens. Weeds are defined in this condition as any invasive plant that threatens native vegetation in the local area or any species recognised as invasive in SA.	No introduction of new species of weeds, plant pathogens or pests (including feral animals), nor sustained increase in abundance of existing weed or pest species in the licence area compared to adjoining land as a result of mining operations.	Compliant	As for GC64 in Table 9-3 The general onsite induction informs any new personnel coming onto site of their environmental obligations including those relating to weeds.

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Grouped Condition No.	Grouped Lease Conditions	Corresponding Environmental Outcome (see Table 7-21 in PEPR 2022 for details)	OMC Status	Evidence
GC65	The Lessee of Mining Lease 6228 must, in constructing, operating and post mine closure ensure there is no adverse impacts to Department of Defence operations within the Woomera Prohibited Area.	No adverse impacts to Department of Defence operations within the Woomera Prohibited Area (WPA).	Compliant	As for GC46 detailed in Table 9-5

9.9 Summary of grouped lease conditions with no corresponding environmental outcome

Grouped Condition No.	Grouped Lease Condition	Comment	Status	Evidence	Forward works plan
GC05	The Lessee must ensure that all fuel and liquid chemical storage areas on Mining Lease ML 6228 are bunded and lined in accordance with current EPA (South Australia) guidelines.	This is a control strategy, not an outcome, and has been incorporated into the control measures for Impact 6 / lease condition GC06.	Compliant	OZ Minerals undertake site inspections which investigate the storage of liquid chemicals and fuels. Records of these inspections are maintained within the InControl risk management system database on the Prominent Hill server. No chemicals are stored onsite within natural surface water runoff zones.	Not applicable
GC09	The Lessee/Licensee must ensure that all employees and contractors on-site are properly advised of the significance of Aboriginal heritage and culture and are to take due care to preserve all Aboriginal Sites and Objects as defined by the <i>Aboriginal Heritage Act, 1988</i> .	This is a control strategy, not an outcome, and has been incorporated into the control measures for Impact 8 / lease condition GC08.	Compliant	The Cultural Heritage Management Plan Confidential (PH-0000-SEC-PRO-0001) is in place.	Not applicable
GC10	The Licensee of Miscellaneous Purposes Licence (MPL) 91 must enter into a formal agreement with the Department	Deed of agreement with the Department of Transport, Energy and Infrastructure is in place. This deed is in place until 2023.	Compliant	Deed of agreement with the Department for Infrastructure and Transport Infrastructure (PH-0000-SEC-AGR-0048) is	Not applicable

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Grouped Condition No.	Grouped Lease Condition	Comment	Status	Evidence	Forward works plan
	of Transport, Energy and Infrastructure for construction, maintenance works and technical and operational issues regarding the Stuart Highway underpass. A copy of this formal agreement must be supplied to the Director of Mines and registered against the Miscellaneous Purposes Licence, prior to construction of the underpass			in place. On 27 October 2022 DIT advised OZ Minerals that a structural inspection will be completed by their department in FY2025/26 and there is no requirement for OZ Minerals to provide any further information at this point in time.	
GC22	The Lessee must control erosion on the external slopes of the Integrated Waste Landform (IWL).	This is a control strategy, not an outcome, and has been incorporated into the control measures for Impact 15.1 / lease condition GC15.	Compliant	The majority of the IWL has been fully rock armoured during the course of mining operations. Only a portion of the TSF and southern waste rock dump require additional rock armour. This criterion will be able to be assessed on completion of the operation.	Not applicable
GC26	The Integrated Waste Landform (IWL) must be designed, constructed, operated and decommissioned in accordance with Tailings Management Guidelines as approved from time to time by the Chief Inspector of Mines in consultation with the Environment Protection Authority.	This is a control strategy, not an outcome, and has been incorporated into the control measures for Impact 15.4 / lease condition GC15.	Compliant	Tailings Storage Facility Operational Review 2022 (WSP 2023) completed in January 2022 demonstrates the TSF Meets ANCOLD 1999 requirements. Next audit due late 2022 or early 2023. Audit report provided as Appendix 4.	Not applicable
GC27	The Licensee must in constructing and operating the Licence, ensure that there are no adverse impacts to adjacent land use.	This lease condition applies only to the Electricity Transmission Line (MPL 119-122). There is no identified impact in and no corresponding outcome in the original MARP. Impacts to adjacent land	Compliant	Compliant with all deeds and agreements. No complaints in this reporting period, refer to Section 14.	Not applicable

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Grouped Condition No.	Grouped Lease Condition	Comment	Status	Evidence	Forward works plan
		use are not a credible impact for an operating transmission line in this environment, and consequently an impact event and outcome have not been specified in this PEPR. The outcome is considered to be achieved unless there are specific unresolved complaints relating to land use adjacent to the Electricity Transmission Line.			
GC56	Significant Environmental Benefit (SEB) Vegetation Offset Area: The Lessee of Mining Lease 6228 must submit a detailed Significant Environmental Benefit Offset Area Management Plan (OZ Minerals 2016b) to the satisfaction of the Chief Inspector of Mines within 12 months from the grant of the lease. This must include an inventory of the flora and fauna within the offset site and a plan for the long-term future management and monitoring activities.	SEB Offset Area Stage 2 Management Plan (PH-ENV-REP-0005) has been submitted and approved.	Compliant	Refer to Section 12 of this report for SEB Offset Area compliance.	Not applicable

10 Rectification of Non-Compliances

There were no non-compliances recorded in this reporting period.

11 Disturbance and Rehabilitation Activities

During this reporting period, an area of 0.06 ha was disturbed within ML 6228 (Table 11-1). In line with requirements of the PEPR, all disturbance was approved by DEM and the Native Vegetation Council.

As outlined in the Significant Environmental Benefit Stage Two Offset Area Management Plan (2022) the Prominent Hill Operation has a credit balance of 26.69 ha remaining with the Native Vegetation Council for future vegetation clearance activities before additional funds must be paid.

Table 11-1 Summary of disturbance and rehabilitation activities

Area where disturbance and rehabilitation activity occurred	Description of activities carried out in the reporting period	Amount of land disturbed during the reporting period (ha)	Estimated amount of land to be rehabilitated in the next reporting period (ha)	Total amount of land where rehabilitation works are completed (ha)
ML 6228	Disturbance Row boat road intersection expansion	0.06	0	0
Access/Haul Road	-	-	-	-
Transmission Line	-	-	-	-
Aries Wellfield	-	-	-	-
Virgo Wellfield	-	-	-	-
EMLs	Unused borrow pits to be rehabbed	-	1	-
TOTAL		5.23	1	0

Strategies implemented to avoid or minimise disturbance:

The Land Disturbance Permitting process ensures work areas are minimised, and where possible any new activities are located within already disturbed land. Land disturbance areas are surveyed and pegged to ensure no disturbance occurs outside of the permitted area.

Summary of any potential improvements learned from previous rehabilitation activities:

The establishment of new rehabilitation sites will be monitored going forward utilising the Landscape Function Analysis methodology to determine the suitability of current rehabilitation processes.

12 Environment Protection and Biodiversity Protection Act 1999 Reporting

In April 2005, the Federal Environment Department made a controlled action decision under the EPBC Act against the Prominent Hill operation, based on the assumption that the project would have a significant environmental impact on listed threatened species and communities. Six environmental approval conditions were subsequently issued and have been reported against on an annual basis.

In December 2017, the DoEE as part of an internal audit process, reviewed the project approval, and in June 2018 issued a variation to the existing project conditions, superseding the previous conditions.

Table 12-1 shows the revised conditions and evidence of compliance for this reporting period.

Table 12-1 EPBC Act conditions and evidence of compliance

Condition No.	Condition	Evidence of compliance
1	To mitigate impacts to the thick-billed grass wren (<i>Amytornis modestus indulkanna</i>) and the plains rat (<i>Pseudomys australis</i>), the person taking the action must, prior to 1 July 2018, submit an Environment Management Plan (EMP) for the approval of the Minister. The EMP must be prepared in accordance with the Department's Environmental Management Plan Guidelines and include, but not be limited to: a) Management measures to maintain or improve habitat condition including: i. Measures to prevent and control human and stock access to species habitat; and ii. The control of feral predator and weed species; and b) Feral predator, weed and habitat condition monitoring, triggers for management intervention and correction actions. The person taking the action must implement the approved EMP.	Compliant. EcoLogical Associates (ELA) completed annual vegetation and habitat monitoring in Autumn 2023 (EcoLogical Associates 2023), Appendix 3. ELA found no sustained significant difference between the control and impact sites, including mean perennial species abundance, richness and total diversity, mean recruitment scores and mean soil/ecosystem function scores. This demonstrates success in meeting the requirements of the outcome measurement criteria for this environmental outcome. ELA completed weed monitoring as part of the Autumn 2023 Flora Survey. ELA detected no new weed species and no significant increase in abundance of existing species. Feral animal control occurred as needed based on sighting reports. Records show the capture and euthanasia of 5 cats during the reporting period.
2	The person taking the action must, unless otherwise agreed by the Minister, submit by 30 September of each year (beginning in 2019) written advice to the Minister demonstrating how the person taking the action has complied with the conditions of the approval.	Compliant. Report submitted to DoEE on 30 September 2023

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Condition No.	Condition	Evidence of compliance
3	<p>The person taking the action may choose to revise the plan approved by the Minister under condition 1 without submitting it for approval under section 143A of the EPBC Act, if the taking of the section in accordance with the revised plan would not be likely to have a new or increased impact. If the person taking the action makes this choice they must notify the Department in writing that the approved plan has been revised and provide the Department, at least four weeks before implementing the revised plan, with:</p> <ul style="list-style-type: none"> i. An electronic copy of the revised plan; ii. An explanation of the differences between the revised plan and the approved plan; and iii. The reasons the person taking the action considers that the taking of the action in accordance with the revised plan would not be likely to have a new or increased impact. 	N/A
4	<p>The person taking the action may revoke its choice under condition 3 at any time by giving written notice to the Department. If the person taking the action revokes the choice to implement the revised plan, without approval under section 143A of the EPBC Act, the plan approved by the Minister must be implemented.</p>	N/A
5	<p>If the Minister give a notice to the person taking the action that the Minister is satisfied that the taking of the action in accordance with the revised plan would be likely to have a new or increased impact, then:</p> <ul style="list-style-type: none"> i. Condition 3 does not apply, or ceases to apply, in relation to the revised plan, and ii. The person taking the action must implement the plan approved by the Minister. <p>To avoid any doubt, this condition does not affect any operation of conditions 3 and 4 in the period before the day the notice is given.</p> <p>At the time of giving the notice, the Minister may also notify that for a specified period of time condition 3 does not apply for the plan required under the approval.</p> <p>Conditions 3, 4 and 5 are not intended to limit the operation of section 143A of the EPBC Act which allows the person taking the action to submit a revised plan to the Minister for approval.</p>	N/A



13 Exempt Land

There are no parcels of exempt land applicable to Prominent Hill Operations.

14 Complaints

Records show Prominent Hill received one query from a community member during the reporting period. Details of the query are provided below.

Date of complaint	Nature of complaint	Complaint related to non-compliance	What action was taken to address the complaint	Resolution date
12/2/2023	Cattle strike by vehicle associated with mining operations.	No	In consultation with the landowner a cattle proof fence was installed along the access road to prevent cattle egress onto the road and further losses.	August 2023

15 Audits and Reviews

The following table outlines the audits and reviews undertaken at Prominent Hill during the reporting period and corrective actions continued from prior periods.

Date of Audit/ Review	Auditor	Recommendation	Status	Corrective Action / Response from OZ Minerals
2021 annual operational review	Golder	Undertake a study to commence 'closing the gap ' for compliance with GISTM, as OZ Minerals aim to comply with the standard. This would continue on from the preliminary gap analysis that was undertaken in mid-2021. A key aspect of this study would be scoping studies required to support a change in consequence category. Other work by WSP has recommended that a 'Low' consequence category could be adopted based on there being no credible failure modes for catastrophic release of tailings. However, the basis for there being no credible failure modes could have improved confidence with a quantitative risk assessment that estimates the probability of failure (and release of tailings) by	Open	Preliminary gap analysis conducted. Further work to be conducted in 2022 and 2023. Expected compliance in 2024-2025. Currently reassessing the pit/TSF interface to determine any credible modes of failure in order to inform the correct consequence category.

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Date of Audit/ Review	Auditor	Recommendation	Status	Corrective Action / Response from OZ Minerals
		overtopping, piping erosion and embankment instability (slope failure).		
2021 annual operational review	Golder	OZ Minerals indicated that it has actioned installing a flow meter on the flushing pump. WSP recommends considering alternative locations to pump the excess thickener overflow water.	Open	Flow meter installation still in progress. OZ Minerals confirms the flow meter was installed, but needs to be calibrated to validate function. Strategy change has been implemented to send the excess water through the final tailings hopper. This water is now captured through the final tailings flowmeter and density gauge. Therefore the flowmeter is no longer required on PPC-226. Water Balance Project is currently underway to solve the water related issues on site.
2021 annual operational review	Golder	Revise the 2021 water balance to adopt a specific gravity of solids of 3.22 in accordance with the laboratory testing undertaken.	Closed	Accepted. Specific gravity of ore is variable between 3.2 and 3.6. Will adopt 3.22 and update accordingly with mineralogy reports.
2021 annual operational review	Golder	Review the requirement to test the Malu overflow tailings.	Closed	Accepted. Testing of overflow tailings will no longer be conducted.
2022 mid-year operational review	Golder	OZ Minerals to consider an assessment of the remaining life of the geomembrane in the raw water and environment dams. Golder to provide proposal in 2023.	Open	Accepted. Testing of membrane will occur in 2023. Received proposal for testing 12/9/23. This is pending contract with WSP
2022 mid-year operational review	Golder	The frequency of testing for monitoring bores TSF-A, B, C, D, E 1 and 2 should be changed from quarterly to biannually as per requested by OZ Minerals environment team. Monitoring bores TSF-D and E will not longer be tested for dissolved sodium and copper concentrations.	Closed	Accepted. Testing regime has been revised.
2022 annual operational review	WSP Golder	Damp patches were observed near the horizontal bore exits in the south pit wall failure area, along with an accumulation of soil at the joint of the bores and mining hose. We recommend classification testing be undertaken on the soil collecting at the horizontal bore exits to assess its providence.	Closed	Accepted – Determined that the soil is not tailings reporting through the bores.

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Date of Audit/ Review	Auditor	Recommendation	Status	Corrective Action / Response from OZ Minerals
		We recommend OZ Minerals continues to monitor the south pit wall failure area and collection sump for any signs of change.		
2022 annual operational review	WSP Golder	The parameter values used in the water balance and rate of rise estimation should be regularly revisited and updated based on up-to-date measurements and laboratory test results. WSP recommends that laboratory testing be fore solids specific gravity, particle density and dry density be undertaken and will provide OZ Minerals with a scope of work for this.	Open	Accepted. Current undertaking tailings test work to collate data for this action. Agree that the parameter values should be updated regularly, or at a minimum the assumptions reviewed.
2022 annual operational review	WSP Golder	Stop manual survey pick up to assess deformation of the TSF embankment and reinstate monitoring prisms at the TSF.	Open	Accepted. Currently geotechnical monitoring is being reviewed.
2022 annual operational review	WSP Golder	Continue to monitor the cracking development on the decant causeway.	Open	Accepted. Monitoring in daily inspections. No notable changes.

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16 Verification of Uncertainties

The following table provides a description and status of works undertaken during the reporting period to address the verification of uncertainties identified in Table 11-1 of the PEPR (2022).

Aspect	Description	Estimated date to resolve	Progress in reporting period
Stability assessment	<p>Undertake stability assessment on the TSF</p> <p>Revised stability analysis undertaken on the TSF against ANCOLD 2019 standards. This assessment will review the cone Penetration Testing (CPTu) of the external embankment design and the results will be reported in the annual Tailings Storage Facility audit.</p>	Completed	<p>WSP Golder were engaged and completed the following activities as part of their assessment:</p> <ul style="list-style-type: none"> - Geotechnical investigation including cone penetration test work at six locations. - In Situ and Laboratory test interpretation - Liquefaction assessment and, - Slope stability assessment <p>Final report received and provided as Appendix 9 to this document.</p>
Closure workshop – establish closure vision, principles and objective and post closure land uses	<p>Develop and document a closure vision, principles, objectives and post closure land uses.</p> <p>A closure vision will be established to articulate aspirations for what will be achieved with mine closure, compatible with the Mining Lease outcomes. The vision will incorporate and overview of the post closure land use and will evolve as more information becomes available.</p> <p>Closure principles will be established to outline the common precepts that will guide the basis of the closure plan, such as</p>	Q1 2024	With the transition to BHP, a program of works is scheduled to ensure that Prominent Hill Operations align with BHP’s Closure and Legacy Management performance requirements.

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Aspect	Description	Estimated date to resolve	Progress in reporting period
	<p>promoting physical and chemical stability, meeting regulatory obligations, and facilitating social transition.</p> <p>Closure objectives will be established to articulate what is to be achieved through implementation of the closure activities.</p> <p>Post-closure land uses (or possible uses) and required land capabilities will be identified and documented to aid closure planning activities and stakeholder engagements.</p> <p>This will inform all aspects of the closure plan, particularly the definition of both the closure vision and objectives.</p>		
<p>Closure risk assessment</p>	<p>Undertake and document a closure risk assessment</p> <p>A risk assessment will be performed to identify and assess threats and opportunities associated with closure, including physical, social, economic and ecological considerations.</p> <p>The risk assessment at a minimum will consider all potential failure models of the IWL (WRD and TSF) via a Failure Modes and Effects Analysis (FMEA).</p> <p>Formal identification and evaluation of threats and opportunities will help to set priorities and shape many aspects of the Closure Plan, including identification and selection of closure activities (controls) that will feed into the Closure Execution Plan, improving the knowledge base and inform final landform design.</p>	<p>Q1 2024</p>	<p>With the transition to BHP, a program of works is scheduled to ensure that Prominent Hill Operations align with BHP's Closure and Legacy Management performance requirements.</p>

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Aspect	Description	Estimated date to resolve	Progress in reporting period
Radiation Management	<p>Review of the Radiation Management Plan and Radioactive Waste Management Plan</p> <p>Review the Site Radiation Management Plan and Radioactive Waste Management Plan to align with changes from PHOX, updated regulations and align with the Australian Radiation Protection and Nuclear Safety Agency codes.</p>	Completed	<p>Management Plans are reviewed annually and submitted to the EPA as per the licence requirements. The plans did not require any changes as a result of activities associated with the PHOX project.</p> <p>The updated Radiation Regulations were released in February 2023. The Radiation Management Plan and Radioactive Waste Management Plan have been assessed against the new regulations and updated. The new plans have been provided to the EPA.</p>
Closure execution plan	<p>Develop a Closure Execution Plan (CEP) and regularly update through the closure planning process</p> <p>A CEP will be developed to identify specific actions (controls) that will be implemented during the mine life in support of closure planning and implementation of closure activities. The actions included in the CEP will be informed by the closure risk assessment process.</p> <p>Controls that will be included into the CEP to increase the knowledge base include:</p> <ul style="list-style-type: none"> - Determining net percolation rates within the IWL - An integrated hydrological and seepage assessment - An erosion assessment. This should include validation of the IWL cover design through modelling – such as landform 	Commenced To be completed by Q1 2024	<p>Mining One (2022) were engaged to undertake a detailed stability review of the waste rock dumps at Prominent Hill. Their findings include the following:</p> <p>Factor of Safety (FoS) of the waste rock dump (WRD) for both static and earthquake scenarios are acceptable, when measured against the criteria derived from the confidence vs consequence approach.</p> <p>Sensitivity assessments show that failure is highly unlikely to occur due to elevated groundwater levels, and deterioration of the WRD materials. These are the two factors that could potentially vary over time, and if they did, could alter the current geotechnical parameters.</p>

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Aspect	Description	Estimated date to resolve	Progress in reporting period
	<p>evolution modelling, net percolation modelling and sensitivity analysis</p> <ul style="list-style-type: none"> - Audit of as built WRD (completed) - Investigation options for tailings re-treatment <p>Draft controls that will be included into the CEP to inform the Closure plan include</p> <ul style="list-style-type: none"> - Detailed design of the final landform IWL (WRD and tailings) - Abandonment bund detailed design - Determination if revegetation is required for the TSF cover design for a safe and stable landform <p>The CEP will be provided to DEM for review</p>		<p>Therefore, the FoS of the WRD are expected to remain acceptable in the long-term, i.e. at least in excess of 100 years.</p> <p>Mining One's 2021 assessment of the Malu pit stability determined that deformation of the pit is likely to have had a negligible impact on the WRD.</p> <p>The full report can be found as Appendix 10.</p> <p>With the transition to BHP, a program of works is scheduled to ensure that Prominent Hill Operations align with BHP's Closure and Legacy Management performance requirements.</p>
Government engagement of CEP	<p>Undertaken consultation with the DEM on the development of the CEP</p> <p>Engagement with DEM is critical to demonstrate and provide confidence that the actions (controls) identified in the CEP will reduce uncertainty relating to closure outcomes identified in the PEPR</p>	Q2 2024	TBC
Arkani Ngura Innovation and Technology Centre	<p>Arkani Ngura Innovation and Technology Centre incorporate into the PEPR and Closure Plan</p>	No longer proceeding	This project will no longer be proceeding.

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Aspect	Description	Estimated date to resolve	Progress in reporting period
Stakeholder engagement	Undertaken and document stakeholder engagement with pastoralist, local communities and Antakirinja Matu-Yankunytjatjara Aboriginal community. Engagement with stakeholders to take place throughout the closure planning process, with insight that engagement used to shape key elements of the closure plan.	Ongoing	TBC
Update Mine Closure Plan	Update the Closure Plan within the PEPR to incorporate the outcomes of the CEP On completion of the above closure planning tasks, the PEPR/Mine closure plan for Prominent Hill will be updated and submitted to DEM for assessment	Q2 2024	TBC
Update the Rehabilitation Liability	Update the rehabilitation liability to incorporate the outcomes of the CEP The rehabilitation liability calculator will be updated to reflect the scope of the new PEPR/Mine Closure Plan	Q2 2024	TBC



17 Forwards Work Plan

The following table summarises the actions raised throughout this Compliance Report. These actions will form the basis of the forward work plan for OZ Minerals Prominent Hill during the 2022–2023 reporting period.

Action No.	Action	Action description	Proposed Completion Date	Compliance Report Reference	Responsible Department
1	Update mine closure strategy	As per FWP in the PEPR 2022. Review and update the mine closure strategy for Prominent Hill including stakeholder engagement.	Q2 2024	Section 16	HSE Operations Mining
2	Annual TSF review recommendations	As per the findings of the Annual TSF review conducted in 2022 all recommended actions were accepted and will be put into the FWP for 2023-24 reporting period	Q2 2024	Section 15	Operations

18 Changes to Mining operations

One Program Notifications was approved by DEM during the reporting period.

The changes associated with the construction of the Aries bore field holding dam will be incorporated into the next PEPR iteration. Details of this Program Notification are found in the table below.

Description of change to existing mining operation	Significance level (1-4)	Date submitted to DEM	Date endorsed by DEM	Current status at the end of the reporting period
Construction of Aries bore field holding dam	Level 3	23 June 22	6 July 22	Dam has been constructed as per design.

Provide a description of any new or emerging environmental hazards that apply, or appear to be arising, in relation to mining operations

No new or emerging environmental hazards have been identified.

19 Technical Reports

The following table lists all technical data, studies and reports generated during the reporting period that support the achievement of tenement conditions and environmental outcomes in the approved PEPR.

Report Title	Authors
Compliance Report 2023 Works Approval 396907 – Prominent Hill	Eco Logical Australia
CPTu Investigation and Liquefaction Assessment – Prominent Hill Tailings Storage Facility	WSP Golder
Environmental Radiation Monitoring Report 2022	OZ Minerals
Prominent Hill Annual Vegetation and Habitat Compliance Monitoring 2023	Eco Logical Australia
Prominent Hill, Waste Rock Dumps. Geotechnical Stability Review and Modelling for Closure	Mining One
Sediment Analysis Report 2023	OZ Minerals
TSF Groundwater Chemistry Analysis 2023	Land Water Consulting
Tailings Storage Facility Operational Review 2022	WSP Golder
Water Licence 396811 Prominent Hill Compliance Report 2023	EcoLogical Australia



20 Voluntary information

Item	Description
Project footprint	2044 ha
Community or wider environment support activities	<p>OZ Minerals works closely with the Antakarinja Matu-Yankunytjatjara Aboriginal Corporation (AMYAC), and as part of our NTMA obligations to oversee education, employment and training, business development and culture and heritage.</p> <p>This is done via the Tjunguringanyi (Working Together) Steering Committee, Scholarship Trust Committee, Health Check and other partnering workshops and attendance at AMYAC board meetings when required.</p> <p>OZ Minerals provides extensive sponsorship opportunities for local community groups, particularly for those with an educational and/or sustainable focus. A partnering agreement has been in place with the Coober Pedy Area School, that, amongst other activities, promotes opportunities for employment at the mine and in the region, engagement with a variety of staff at OZ Minerals to enrich the school curriculum and strategic financial investment in STEM related materials and excursions.</p> <p>Engagement has increased also at Port Augusta Secondary School and Coober Pedy Area School, where a range of VET pathway options have been explored and direct employment into Traineeships has been successful.</p> <p>OZ Minerals is running a Resource Industry Pathways Program with Port Augusta Secondary School in 2023, after an aware program in 2021.</p> <p>Additionally, OZ Minerals sponsors and actively participates in a number of community event important to members of the regional communities and pastoral lessees in the project area.</p> <p>OZ Minerals is represented on numerous government, industry and community groups within the area including the Kingoonya Landscapes Group as well as being a major sponsor for the Royal Flying Doctor Service (RFDS), Clontarf Foundation and the Smith Family.</p>

21 Community Engagement

Table 21-1 provides a summary of community engagement during the reporting period.

Table 21-1 Community Engagement conducted from 1 July 2022 to 30 June 2023

Community or wider environment support activities	Description
NAIDOC WEEK 3-10 July 2022	Night markets onsite at Prominent Hill run by AMYAC members selling locally made products and artwork. 100% of proceeds directly to AMYAC owner.
Coober Pedy Area School – Yarning Circle Project Meeting 4 July 2022	Meeting with Indigenous female teachers to discuss plans for the Yarning Circle that will be constructed at the school to assist with re-engaging students and parents.
Clontarf Employment Forum Breakfast 3 August 2022	Networking opportunity for SA based Clontarf students and several mining, utility and construction companies to meet and greet the students looking for employment post completion of their studies.
Pastoral meeting 4 July 2022	Met with Mt Eba Station new business partners and engagement plan and opportunities.
Group pastoral meeting 9 August 2022	Group meeting with neighbouring pastoralists to seek feedback towards Foot and Mouth Disease risk assessment and action plan.
Coober Pedy Area School – Yarning Circle Project Meeting 10 August 2022	Progress planning with Indigenous school teachers for the development of the Yarning Circle.
Coober Pedy Area School – student artwork opportunity 10 August 2022	Met with Year 12 art student and teacher to present opportunity for a site art project and work experience.
GMUSG Port Pirie 17-19 August 2022	GMUSG Conference networking opportunity.
AMYAC Cross Cultural Awareness Training 22-24 August 2022	2 x 2 day onsite cultural training and awareness for staff run by AMYAC members
PASS Pathways student site visit 12 September 2022	School visit to site to introduce students to different career opportunities and to experience an mining environment in person.
Mt Eba Station visit with GM 14 September 2022	Overnight station visit with Prominent Hill GM to introduce new GM to Mt Eba.
Clontarf student work placement opportunity 19-23 September 2022	OZ Minerals work placement opportunity for year 11 student from Port Augusta in Adelaide head office.
Tjunguringanyi Steering Committee 24 September 2022	Meeting to discuss operation of the mining agreement with the AMY Traditional Owners
Pathway Student Follow Up Meeting 3 November 2022	Meeting to seek feedback from student post site visit and gain understanding of areas of interest for future work opportunities.
AMYAC Cross Cultural Awareness Training 21-24 November 2022	2 x 2 day onsite cultural training and awareness for staff run by AMYAC members.
CPAS Student Awards Day 7 December 2022	Students end of year presentation and awards day.
Pastoralist end of year celebration 9 December 2022	End of year joint celebration with Pastoral Stations surrounding Prominent Hill and Carrapateena.
Coober Pedy Community artwork project 12 December 2022	Community artwork engagement for Prominent Hill village

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ML6228 and Associated Tenements**



Prominent Hill – Safety, Health and Environment

Community or wider environment support activities	Description
Mt Eba Station visit with GM 14 September 2022	Overnight station visit with Prominent Hill GM to introduce new GM to Mt Eba.
Clontarf student work placement opportunity 19-23 September 2022	OZ Minerals work placement opportunity for year 11 student from Port Augusta in Adelaide head office.
Tjunguringanyi Steering Committee 24 September 2022	Meeting to discuss operation of the mining agreement with the AMY Traditional Owners
Pathway Student Follow Up Meeting 3 November 2022	Meeting to seek feedback from student post site visit and gain understanding of areas of interest for future work opportunities.
AMYAC Cross Cultural Awareness Training 21-24 November 2022	2 x 2 day onsite cultural training and awareness for staff run by AMYAC members.
CPAS Student Awards Day 7 December 2022	Students end of year presentation and awards day.
Pastoralist end of year celebration 9 December 2022	End of year joint celebration with Pastoral Stations surrounding Prominent Hill and Carrapateena.
Coober Pedy Community artwork project 12 December 2022	Community artwork engagement for Prominent Hill village
AMYAC Board Meeting 16 February 2023	AMYAC Board meeting in Coober Pedy to progress review of the NTMA.
AMYAC NTMA Review Meeting 28 February 2023	Meeting with Board, independent facilitator and OZM to progress discussions on NTMA.
Tjunguringanyi Steering Committee 24 March 2023	Meeting to discuss operation of the mining agreement with the AMY Traditional Owners
AMYAC NTMA Review Meeting 28 March 2023	Meeting with Board, independent facilitator and OZM to progress discussions on NTMA.

Definitions and Abbreviations

Acronym	Expansion
ASX	Australian Stock Exchange
DEW	Department for Environment and Water
DPTI	Department of Planning, Transport and Infrastructure
DEM	Department for Energy and Mining
EC	Electrical Conductivity
EML	Extractive Mineral Lease
EPBC	Environmental Protection and Biodiversity Conservation
FIFO	Fly-in, fly-out
ha	hectare
kVa	Kilovolt-amp
LFA	Landscape Function Analysis
ML/d	Mega litre per day
MPL	Miscellaneous Purposes License
NEPM	National Environment Protection Measure
NRM	Natural Resource Management
NTMA	Native Title Mining Agreement
OMC	Outcome Measurement
pH	Measure of acidity or basicity
PAF	Potentially acid forming
PEPR	Program for Environment Protection and Rehabilitation
RFDS	Royal Flying Doctor Service
RIMS	Risk Information Management Systems
RO	Reverse Osmosis
SA EPA	South Australian Environment Protection Authority
SWL	Standing Water Level
TSP	Total Suspended Particulates
WRD	Waste Rock Dump
WWTP	Wastewater Treatment Plant