



Licence Number	L8532/2011/2		
Licence Holder	Genesis Minerals (Leonora) Pty Ltd		
ACN	667 073 681		
Registered business address	Level 7, 40 The Esplanade PERTH WA 6000		
DWER File Number	DER2014/000885-1		
Duration	18 July 2019	to	18 July 2029
Date of issue	18 July 2019		
Date of transfer	19 January 2024		
Date of amendment	15 October 2024		
Premises details	Kailis Mine Mining Tenements M37/46, M37/219 and M37/564, M37/902, M37/955, M37/986 and L37/221 LEONORA WA 6438		

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 6 – Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.	1,300,000 tonnes per Annual Period.

This Licence is granted to the licence holder, subject to the following conditions, on 15 October 2024 by:

**A/SENIOR MANAGER, RESOURCE INDUSTRIES
INDUSTRY REGULATIONS**

Officer delegated under section 20 of the Environmental Protection Act 1986

L8532/2011/2 (15 October 2024)

IR-T06 Licence Template v2.0 (July 2017)

Licence history (since 2019)

Date	Reference number	Summary of changes
18/07/2019	L8532/2011/2	Licence re-issue.
19/01/2024	L8532/2011/2	Licence transfer from Saracen Metals Pty Limited to Genesis Minerals (Leonora) Pty Ltd.
15/10/2024	L8532/2011/2	Licence amendment to add Kalis Pit as an additional discharge point to allow the movement of water across Kailis, Trump and Harbour Lights pits.

Interpretation

In this Licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ will be read as if followed by the words ‘without limitation’;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a Condition, each row in a table constitutes a separate Condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act.
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Dewatering pipelines	Must be: <ul style="list-style-type: none"> • Equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failure; OR • Equipped with automatic cut-outs in the event of a pipe failure; OR • Provided with secondary containment sufficient to contain any spill for a period equal to the time between routine 12 hourly inspections. 	As shown in Schedule 1: Maps, Figure 1

Emissions

2. The licence holder must ensure that all emissions specified in Table 2, are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 2: Authorised discharge points

Emission	Discharge point	Discharge point location
Mine Dewater from Kailis Pit to Trump Pit	Trump Pit	As shown in Schedule 1: Maps, Figure 1 Discharge point Trump pit
Mine Dewater from Kailis Pit and Trump Pit to Harbour Lights Pit	Harbour Lights Pit	As shown in Schedule 1: Maps, Figure 1 Discharge point Harbour Lights
Mine dewater from Harbour Lights Pit	Kailis Pit and Trump Pit	As shown in Schedule 1: Maps, Figure 1 Discharge point Kailis
Mine dewater from Kailis Pit and Harbour Lights Pit	Trump Pit	As shown in Schedule 1: Maps, Figure 1 Discharge point Trump Pit

Infrastructure and equipment

3. The licence holder must ensure that the infrastructure and equipment specified in Table 3 is maintained in good working order and operated in accordance with the requirements specified in Table 3.

Table 3: Infrastructure and equipment controls table

Site infrastructure and equipment	Operational requirements	Infrastructure location
Dewatering pipelines	<p>Must be:</p> <ul style="list-style-type: none"> Equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failure; OR Equipped with automatic cut-outs in the event of a pipe failure; OR Provided with secondary containment sufficient to contain any spill for a period equal to the time between routine 12 hourly inspections. 	As shown in Schedule 1: Maps, Figure 1

4. The licence holder must undertake inspections:

- of the scope specified in Table 4;
- of the type specified in Table 4; and
- at the frequency specified in Table 4;

In addition, where any inspection identifies that an appropriate level of environmental protection is not being maintained, the licence holder must:

- take corrective action to mitigate adverse environmental consequences as soon as practicable; and
- maintain a written log of all inspections undertaken, with each inspection signed off by the person who conducted the inspection.

Table 4: Inspection of infrastructure requirements

Scope of inspection	Type of inspection	Frequency of inspection
Dewatering pipeline infrastructure	Visual integrity	Daily when dewatering
Dewater pump stations		
Kailis, Trump and Harbour Lights Pit	Freeboard	

Monitoring general

5. The licence holder must ensure that:

- all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- all surface water sampling is conducted in accordance with AS/NZS 5667.4, AS/NZS 5667.6 or AS/NZS 5667.9 as relevant; and
- all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

6. The licence holder must ensure that:
 - (a) monthly monitoring is undertaken at least 15 days apart;
 - (b) quarterly monitoring is undertaken at least 45 days apart; and
 - (c) annual monitoring is undertaken at least 9 months apart.
7. The licence holder must ensure that all monitoring equipment used on the Premises to comply with the Conditions of this Licence is calibrated in accordance with the manufacturer's specifications.
8. The licence holder must ensure, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

Process Monitoring

9. The licence holder shall undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Process monitoring

Monitoring point reference	Parameter	Units	Frequency
Kailis Pit	Volume of water discharged from Harbour Lights Pit	kL	Monthly cumulative
Trump Pit	Volume of water discharged from Kailis Pit to Trump Pit		
Harbour Lights	Volume of water discharged from Trump Pit to Harbour Lights Pit		

Surface Water Monitoring

10. The licence holder shall undertake the monitoring in Table 6 according to the specifications in that table.

Table 6: Surface water quality monitoring

Monitoring point reference	Parameter	Units	Frequency
Kailis Pit Trump Pit Harbour Lights	pH	N/A	Quarterly
	Total Dissolved Solids (TDS)	mg/L	
	Calcium (Ca)		
	Arsenic (As)		
	Magnesium (Mg)		
	Nickel (Ni)		
	Sulphate (SO4)		
	Carbonate		

Record-keeping

11. The licence holder must maintain accurate and auditable Books including the following records, information, reports and data required by this Licence:
 - (a) the calculation of fees payable in respect of this Licence;
 - (b) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 1 of this Licence;
 - (c) monitoring undertaken in accordance with Conditions 9 and 10 of this Licence;
 - (d) complaints received under Condition 12 of this Licence; and
 In addition, the Books must:
 - (e) be legible;
 - (f) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - (g) be retained for at least 3 years from the date the Books were made; and
 - (h) be available to be produced to an Inspector or the CEO.
12. The licence holder must record the number and details of any complaints received by the licence holder relating to its obligations under this Licence and its compliance with Part V of the EP Act at the Premises, and any action taken by the licence holder in response to the complaint. Details of complaints must include:
 - (a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;
 - (b) the name and contact details of the complainant, if provided by the complainant;
 - (c) the date of the complaint; and
 - (d) the details and dates of the actions taken by the licence holder in response to the complaints.
13. The licence holder must submit to the CEO, by no later than 61 days after the end of each annual period, a Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the preceding Annual Period.
14. The licence holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

Reporting

15. The licence holder must:
 - (a) Undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) Prepare and submit to the CEO an Annual Audit Compliance Report in the approved form by 31 October each year.
16. The licence holder must:
 - (a) Prepare an environmental report that provides information in accordance with Table 7 for the preceding two annual periods, and
 - (b) Submit the environmental report to the CEO by 31 October 2023 and biennially thereafter.

Table 7: Annual Environmental Report Requirements

Condition	Requirement
-	A summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the year and any action taken.
4	Inspection log
8	Calibration report
9	Process monitoring results (volume of dewater discharge for the annual period)
10	Surface water monitoring results
12	Complaints summary
13	Compliance Report

17. The License Holder shall ensure that the annual environmental report required by condition 16 also contains an assessment of the information contained within the report against previous monitoring results.

Definitions and interpretation

Definitions

In this licence, the terms in Table 8 have the meanings defined.

Table 8: Definitions

Term	Definition
ACN	Australian Company Number
Annual Period	means a 12-month period commencing from 1 September until 31 August.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples.</i>
AS/NZS 5667.4	means the Australian Standard AS/NZS 5667.4 <i>Water Quality – Sampling – Guidance on sampling from lakes, natural and man-made.</i>
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 10, Joondalup DC JOONDALUP, WA 6027 info@dwer.wa.gov.au
Compliance Report	means a report in a format approved by the CEO as presented by the licence holder or as specified by the CEO (guidelines and templates may be available on the Department's website).
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the licence holder in writing and sent to the licence holder's address for notifications, as described at the front of this Licence, in relation to: <ul style="list-style-type: none"> (a) compliance with the EP Act or this Licence; (b) the Books or other sources of information maintained in accordance with this Licence; or (c) the Books or other sources of information relating to Emissions from the Premises.

Term	Definition
Discharge	has the same meaning given to that term under the EP Act.
DWER	Department of Water and Environmental Regulation.
Emission	has the same meaning given to that term under the EP Act.
Environmental Harm	has the same meaning given to that term under the EP Act.
EP Act	means the <i>Environmental Protection Act 1986</i> (WA).
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
Implementation Agreement or Decision	has the same meaning given to that term under the EP Act.
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act.
Licence	refers to this document, which evidences the grant of a Licence by the CEO under s.57 of the EP Act, subject to the Conditions.
Licence Holder	refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence.
Material Environmental Harm	has the same meaning given to that term under the EP Act.
NATA	means the National Association of Testing Authorities, Australia.
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis.
Pollution	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Licence applies, as specified at the front of this Licence and as shown on the map in Schedule 1 to this Licence.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Primary Activities	refers to the Prescribed Premises activities listed on the front of this Licence as described in Schedule 2, at the locations shown in Schedule 1.
Serious Environmental	has the same meaning given to that term under the EP Act.

Term	Definition
Harm	
Unreasonable Emission	has the same meaning given to that term under the EP Act.
Waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The Premises are shown in the map below. The green line depicts the premises boundary.



Figure 1: Premises Boundary

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