



Licence number	L9353/2022/1
Licence holder	Lunnon Metals Limited
ACN	82 600 008 848
Registered business address	10/33 Richard Street WEST PERTH WA 6005
DWER file number	DER2022/000442
Duration	01/02/2023 to 31/01/2026
Date of issue	01/02/2023
Premises details	Kambalda Baker Project M15/1548 (Whole), M15/1546 (Whole), M15/1544 (Part), M15/1543 (Part), M15/1542 (Part), M15/1630 (Part), M15/1631 (Part) As depicted in Schedule 1: Maps and Schedule 2: Premises boundary.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 6: Mine dewatering	350,000 tonnes per year.

This licence is granted to the licence holder, subject to the attached conditions, on 1 February 2023, by:

Alana Kidd

Manager, Resource Industries

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Licence history

Date	Reference number	Summary of changes
01/02/2023	L9353/2022/1	Licence granted.

Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (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; and
- (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

Construction phase

1. The licence holder must install the infrastructure and equipment listed in Table 1, in accordance with;
 - (a) the corresponding installation requirement; and
 - (b) at the corresponding infrastructure location; and
 - (c) within the corresponding timeframe,
 as set out in Table 1.

Table 1: Installation requirements

Infrastructure and equipment	Installation requirement	Infrastructure location
Dewatering pipeline	<ul style="list-style-type: none"> 3.7 km of HDPE pipeline installed from West Idough Pit to Africa Pit in the existing cleared corridors and contained within the existing v-drains; Installed with leak detection systems, 24-hour telemetry control with automatic shutdown capability, isolation and breather valves, flow meters and data loggers; and Dewater will pass through a sediment trap and the resulting clean filtered water will be pumped and discharged into the Africa pit. 	Schedule 1: Maps, Figure 2
Genset	<ul style="list-style-type: none"> 1 x 300kv; With an electric pump, pump cable, floats, anchoring, floating pontoon walkway, control panel etc. Fuel tank capacity of 110%, self-bunded or double wall bunded tanks; and Spill kits proximal. 	Schedule 1: Maps, Figure 2 and Figure 3

Compliance reporting

2. The licence holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being installed:
 - (a) undertake an audit of their compliance with the requirements of condition 1; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
- certification by an engineer that the dewatering pipelines as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
 - as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and
 - be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Operational Phase

4. Upon completion of conditions 2 and 3, the licence holder must ensure that the site infrastructure and equipment listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

Table 2: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Dewatering pipeline from West Idough Pit to Africa Pit	<ul style="list-style-type: none"> Daily monitoring for visual integrity and leak detection. 	Schedule 1: Maps, Figure 2
Genset	<ul style="list-style-type: none"> Daily visual inspections; Genset to have spill kit within proximity, and all chemicals are to be correctly labelled; Genset maintenance to occur in a Kambalda Nickel Project workshop; and Any contaminated soil will be removed and disposed of appropriately by the dewatering personnel. 	<p><u>Stage 1:</u> Schedule 1: Maps, Figure 2 and Figure 3.</p> <p><u>Stage 2:</u> Schedule 1: Maps, Figure 4</p>

Emissions and discharges

General

5. The licence holder shall immediately recover, or remove and dispose of, spills of environmentally hazardous materials including fuel, oil, or other hydrocarbons, whether inside or outside an engineered containment system.
6. The licence holder shall ensure that all material used for the recovery, removal, and/or disposal of environmentally hazardous materials is stored in an impermeable container prior to disposal at an appropriately authorised facility.

Water discharges

7. The licence holder must ensure that the emissions specified in Table 3, are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 3: Authorised discharges and discharge points

Emission	Discharge Point	Discharge Point location
<p>Hypersaline dewater from West Idough Pit.</p> <p>A small volume will be used onsite for dust suppression on roads and areas away from vegetation.</p>	Africa Pit located on L8485/2010/2.	Schedule 1: Maps, Figure 2

Monitoring

General monitoring

8. The licence holder must ensure that all non-continuous sampling and analysis undertaken pursuant to condition 10 is undertaken by a holder of a current accreditation from the National Association of Testing Authorities (NATA) for the methods of sampling and analysis relevant to the corresponding relevant parameter.
9. The licence holder must ensure that:
 - (a) monitoring is undertaken in each monthly period such that there are at least 15 days in between the days on which samples are taken in successive months.

Discharge quality monitoring

10. The licence holder must monitor emissions in accordance with the requirements specified in Table 4 and record the results of all such monitoring.

Table 4: Emissions and discharge monitoring

Monitoring location	Parameter ¹	Unit	Frequency	Averaging period	Method
					Analysis
Dewater discharge pipeline at Africa Pit	Cumulative discharge volume	kL and tonnes	Continuous	Monthly	N/A
	pH	pH units	Monthly	Spot sample	Field analysis² - AS/NZS 5667.1.
	Electrical Conductivity	µS/cm			
	Total suspended solids	mg/L			
	Total dissolved solids				
West Idough Pit	pH	pH units	Quarterly	Spot sample	Laboratory analysis - AS/NZS 5667.1.
	Electrical Conductivity	µS/cm			
	Total suspended solids	mg/L			
	Total dissolved solids				
	Total Alkalinity as CaCO ₃	mg CaCO ₃ /L			
	Carbonate (CO ₃) Aluminium, Arsenic, Cadmium, Calcium, Chromium, Chloride, Cobalt, Copper, Cyanide WAD, Iron, Lead, Mercury, Magnesium, Manganese, Nickel, Potassium, Sodium, Selenium, Sulfate (SO ₄), Vanadium, Zinc.	mg/l			

Note 1: Level of detection is required to be sufficient to enable a comparison with the Australian and New Zealand Guidelines for Fresh & Marine Water Quality (ANZ 2020).

Note 2: In-field non-NATA accredited analysis permitted.

Records and reporting

- 11.** The licence holder must, within 7 days of becoming aware of any non-compliance with conditions 1 to 10 of this licence, notify the CEO in writing of that non-compliance and include in that notification the following information:
- which condition was not complied with;
 - the time and date when the non-compliance occurred;
 - if any environmental impact occurred as a result of the non-compliance and if so what that impact is and where the impact occurred;
 - the details and result of any investigation undertaken into the cause of the non-compliance;

- (e) what action has been taken and the date on which it was taken to prevent the non-compliance occurring again; and
 - (f) what action will be taken and the date by which it will be taken to prevent the non-compliance occurring again.
- 12.** The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 13.** 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 by no later than 30 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 14.** 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 works conducted in accordance with condition 1 of this licence;
 - (c) any maintenance of infrastructure that is performed in the course of complying with condition 4 of this licence;
 - (d) monitoring programmes undertaken in accordance with conditions 10 of this licence; and
 - (e) complaints received under condition 12 of this licence.
- 15.** The books specified under condition 14 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this licence, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from day X until day (X-1) of the immediately following year.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples</i> .
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. “submit to / notify the CEO” (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
monthly period	means a one-month period commencing from [day X] of a month until

Term	Definition
	[day (X-1)] of the immediately following month. <i>e.g. "means a one-month period commencing from the seventh day of a month until the sixth day of the immediately following month."</i>
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map Figure 1 in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
SIGM	St Ives Gold Mine
suitably qualified	Means a person who: <ul style="list-style-type: none"> a) holds a relevant tertiary academic qualification; b) has a minimum of five years of experience working in the relevant area/field of expertise; and c) holds membership in a relevant professional body.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).



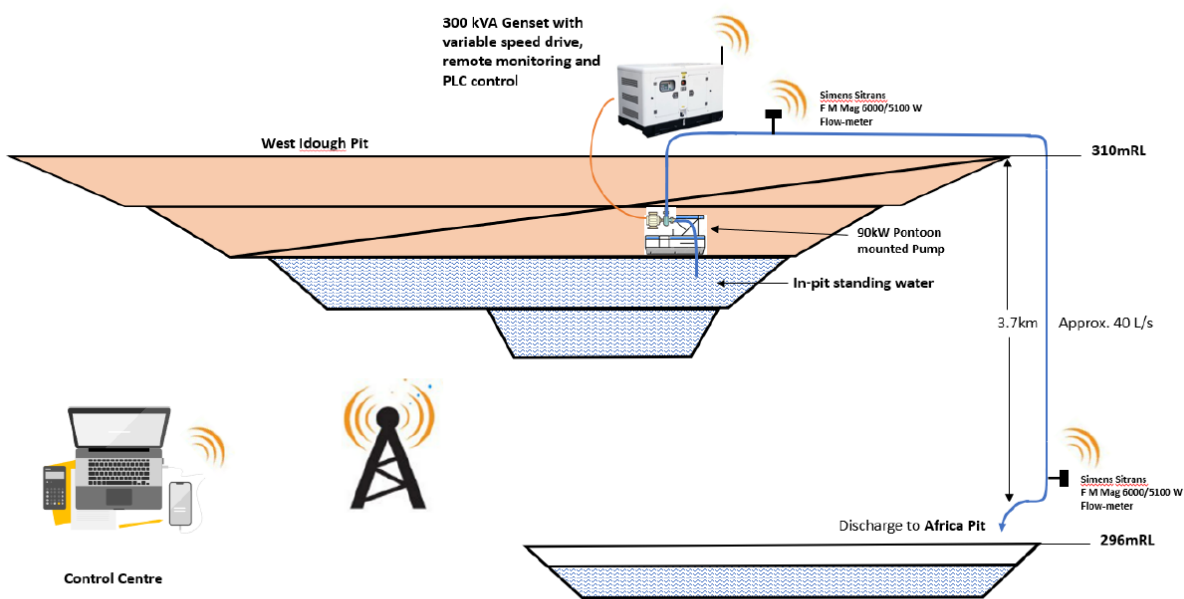
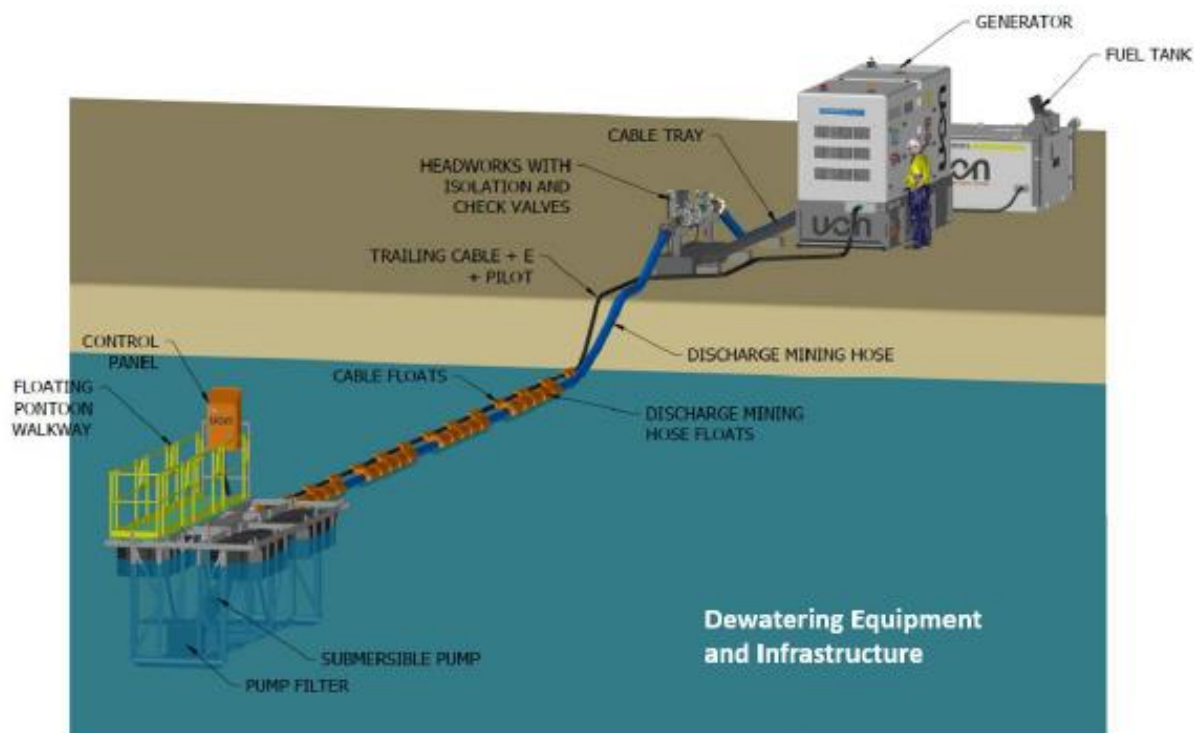
Figure 1: Map of the boundary of the prescribed premises

The dewatering pipeline, generator, abstraction and discharge locations are shown in the map below (Figure 2).



Figure 2: Map of the dewatering pipeline, generator, abstraction and discharge locations.

The schematics of stage 1 dewatering are shown below (Figure 3).



Schematic of Stage 1 Dewatering

Figure 3: Schematics of dewatering stage 1.

The schematic of stage 2 dewatering are shown below (Figure 4)

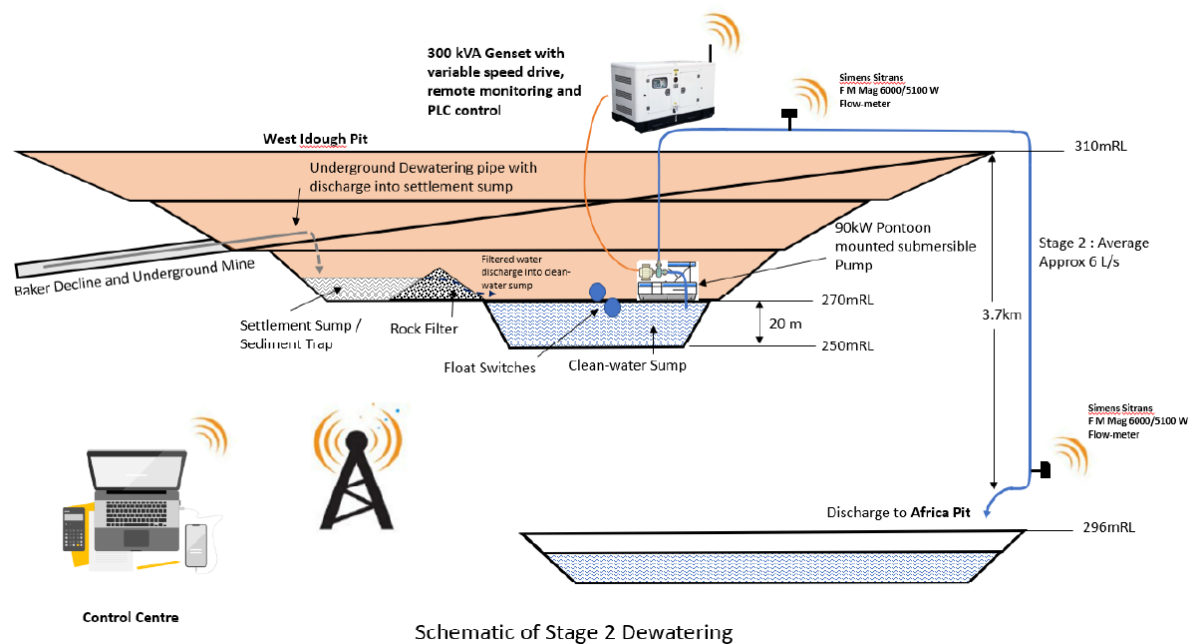


Figure 4 Schematics of dewatering stage 2.

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 6.

Table 6: Premises boundary coordinates (GDA1994)

	Easting	Northing	Zone
1.	383908.910	6534784.133	51
2.	383936.274	6534765.891	
3.	383945.119	6534704.530	
4.	384616.071	6534070.587	
5.	384900.367	6533496.333	
6.	384933.488	6533345.820	
7.	384936.671	6533013.823	
8.	384958.973	6533013.658	
9.	384989.929	6533000.390	
10.	385195.018	6532720.122	
11.	385866.477	6532546.514	
12.	386095.268	6532218.455	
13.	386454.997	6532221.676	
14.	386470.607	6530610.373	
15.	384965.611	6530598.037	
16.	384950.471	6532208.182	
17.	385419.230	6532212.410	
18.	384891.581	6532969.064	
19.	384887.144	6533343.206	
20.	384852.872	6533492.052	
21.	384584.586	6534054.487	
22.	383847.126	6534730.804	