



<b>Licence number</b>	L9012/2016/1
<b>Licence holder</b>	Linden Gold Pty Ltd
<b>ACN</b>	138 222 705
<b>Registered business address</b>	C/- Armada Accountants & Advisors, 18 Sangiorgio Court, OSBORNE PARK WA 6017.
<b>DWER file number</b>	DER2016/002205
<b>Duration</b>	10/04/2017 to 10/04/2037
<b>Date of issue</b>	11/04/2017
<b>Premises details</b>	Second Fortune Gold Mine, Mining tenements, M39/255, M39/649, M39/650 and L39/12, MENZIES WA 6436. (as depicted in Schedule 1)

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production / design capacity</b>
Category 5: Processing or beneficiation of metallic or non-metallic ore	156,000 tonnes per annual period
Category 6: Mine dewatering	210,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 1/04/2021, by:

**Stephen Checker**

**MANAGER, WASTE INDUSTRIES  
REGULATORY SERVICES**

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

## Licence history

Date	Reference number	Summary of changes
10/10/2013	W5474/2013/1	New application for category 6 mine dewatering
02/02/2017	W5474/216/1	Amendment Notice 1 to works approval to include category 5 processing or beneficiation of metallic or non-metallic ore
10/04/2017	L9012/2016/1	New application for licence for operation of Stage 2 processing infrastructure. Stage 1 is only authorised upon submission of compliance documentation in accordance with works approval W5474/2013/1.
25/07/2017	L9012/2016/1	Amendment to Licence to incorporate changes to locations of groundwater monitoring bores and minor structural changes to the evaporation ponds.
1/4/2021	L9012/2016/1	Licence transfer

## 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:

### Premises Operation

- 1 The Licence holder shall record and investigate the exceedance of any descriptive or numerical limit in all the monitoring works.
- 2 The Licence holder shall ensure that dewatering effluent and bitterns is discharged into dams with the relevant infrastructure requirements and at the location specified in Table 1 and identified in Schedule 1 maps.

<b>Table 1: Dewatering Infrastructure</b>		
<b>Infrastructure point reference</b>	<b>Material to be discharged</b>	<b>Infrastructure requirements</b>
Evaporation Pond 1	Dewatering effluent/ bitterns from the reverse osmosis plant	<ul style="list-style-type: none"> <li>• Maintain a minimum freeboard of 500 millimetres</li> <li>• Compacted clay lined to achieve a permeability of less than <math>1 \times 10^{-8}</math> m/s</li> </ul>
Infrastructure point reference	Material to be discharged	Infrastructure requirements

- 3 The Licence holder shall ensure that the dewatering pipeline is either:
  - (a) equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failures; or
  - (b) equipped with automatic cut-outs in the event of a pipe failure; or
  - (c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.
- 4 The Licence holder shall:
  - (a) undertake inspections as detailed in Table 2;
  - (b) where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and
  - (c) maintain a written log of all inspections undertaken with each inspection record signed by a responsible person.

<b>Table 2: Inspection of Infrastructure</b>		
<b>Scope of inspection</b>	<b>Type of inspection</b>	<b>Frequency of inspection</b>
Dewatering effluent pipeline	Visual check of integrity	Daily
Evaporation pond 1 and pond 2 freeboard	Visual check to confirm required freeboard capacity is available	Daily
Process water infrastructure, tanks and pipelines	Visual check of integrity	Daily

## Emissions

- 5 The Licence holder shall ensure that where waste is emitted to groundwater from the emission point in Table 3, and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this Licence.

<b>Table 3: Emission points to groundwater Site infrastructure and equipment</b>		
<b>Emission point reference</b>	<b>Description of material</b>	<b>Source including abatement</b>
Evaporation Pond 1(G1) Evaporation Pond 2 (G2) as depicted on the map of infrastructure, emission points and monitoring in schedule 1 maps	Dewatering effluent and bitterns from the reverse osmosis plant only	Dewatering of mine pit and bitterns from reverse osmosis plant

## Monitoring

- 6 The Licence holder shall ensure that:
- quarterly monitoring is undertaken at least 45 days apart; and
  - six monthly monitoring is undertaken at least 5 months apart.
- 7 The Licence holder shall 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 shall, 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.
- 9 The Licence holder shall undertake the monitoring in Table 4. according to the specifications in that table.

<b>Table 4: Monitoring of point source emissions to groundwater</b>				
<b>Emission point reference</b>	<b>Parameter</b>	<b>Units</b>	<b>Averaging Period</b>	<b>Frequency Emission point reference</b>
Dewatering discharge outlet to evaporation ponds (G1 and G2)	Volumetric flow rate	m <sup>3</sup> /day	Monthly	Continuous

- 10 The Licence holder shall undertake the ambient environmental quality monitoring in Table 5 according to the specifications in that table.

<b>Table 5: Monitoring of groundwater</b>					
<b>Monitoring point reference and location</b>	<b>Parameter</b>	<b>Units</b>	<b>Limit</b>	<b>Averaging period</b>	<b>Frequency</b>
GW1, GW2, GW3	Standing water	m(AHD)	≥4 mbgl	Spot sample	Quarterly

and GW4 as depicted in the map of infrastructure, emission points and monitoring locations in schedule 1 maps	level <sup>1</sup>			None specified	
	pH <sup>1</sup>	pH units			
	Total dissolved solids	mg/L			
	Total nitrates <sup>2</sup>				
	Total sulfates <sup>2</sup>				
Metals and metalloids <sup>2</sup> : Mg, Na, K, Al, As, Ca, Cd, Cr, Co, Cu, Hg, Pb, Mn, Ni, Se, Tl and Zn					

Note 1: In field non-NATA accredited analysis is authorised.

Note 2: Level of detection is required to be sufficient to enable a comparison with ANZECC/ARMCANZ Guidelines (2000).

- 11 The Licence holder shall undertake the monitoring in Table 6. according to the specifications in that table.

<b>Table 6: Monitoring of surface water quality</b>					
<b>Monitoring point reference and location</b>	<b>Parameter</b>	<b>Units</b>	<b>Limit</b>	<b>Averaging period</b>	<b>Frequency</b>
Evaporation Cell 1 depicted in the map of Infrastructure, emission points and monitoring locations in schedule 1 maps	pH <sup>1</sup>	pH units	None specified	Spot sample	Six-monthly
	Total dissolved solids	mg/L			
	Metals and metalloids <sup>2</sup> : As, Cd, Cr, Co, Cu, Hg, Pb, Mn, Ni, Se, Tl and Zn				

Note 1: In field non-NATA accredited analysis is authorised.

Note 2: Level of detection is required to be sufficient to enable a comparison with ANZECC/ARMCANZ Guidelines (2000).

## Records and reporting

- 12 All information and records required by the Licence shall:
- be legible;
  - if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
  - except for records listed in 12(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and

- (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
  - (i) off-site environmental effects; or
  - (ii) matters which affect the condition of the land or waters.
- 13 The Licence holder must submit to the CEO within 90 days after the Anniversary Date, an Annual Audit Compliance Report indicating the extent to which the Licence holder has complied with the Conditions in this Licence for the Annual Period.
- 14 The Licence holder shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.
- 15 The Licence holder shall submit to the CEO an Annual Environmental Report within 90 calendar days after the Anniversary Date. The report shall contain the information listed in Table 7 in the format or form specified in that table.

<b>Table 7: Annual Environmental Report</b>		
<b>Condition or table (if relevant)</b>	<b>Parameter</b>	<b>Format or form</b>
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
-	Actual throughput	None specified
9	Monitoring of point source emissions to groundwater	None specified
10 and 11	Ambient environmental quality monitoring	None specified
13	Compliance	Annual Audit Compliance Report (AACR)
14	Complaints summary	None specified

- 16 The Licence holder shall ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results and Licence limits.
- 17 The Licence holder shall submit the information in Table 8 to the CEO according to the specifications in that table.

<b>Table 8: Non-annual reporting requirements</b>				
<b>Condition or table</b>	<b>Parameter</b>	<b>Reporting period</b>	<b>Reporting date (after end of the reporting period)</b>	<b>Format or form</b>
-	Copies of original monitoring reports submitted to the Licence holder by	Not Applicable	Within 14 days of the CEO's request	As received by the Licence holder from third parties

	third parties			
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- 18 The Licence holder shall ensure that the parameters listed in Table 9. are notified to the CEO in accordance with the notification requirements of the table.

<b>Table 9: Notification requirements</b>			
<b>Condition or table</b>	<b>Parameter</b>	<b>Notification requirement<sup>1</sup></b>	<b>Format or form<sup>2</sup></b>
1 and 8	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1
7	Calibration report	As soon as practicable.	None specified

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act.

Note 2: Forms are in Schedule 2.

## Definitions

In this licence, the terms in Table 10 have the meanings defined.

<b>Table 10: Definitions</b>	
<b>Term</b>	<b>Definition</b>
Act	means the <i>Environmental Protection Act 1986</i>
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).
AHD	means the Australian height datum
annual period	a 12 month period commencing from 1 July until 30 June 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>
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 <i>Water Quality – Sampling – Guidance on sampling of groundwaters</i>
averaging period'	means the time over which a limit is measured or a monitoring result is obtained;
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: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994 (WA)</i> 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 (WA)</i>



<b>Table 10: Definitions</b>	
<b>Term</b>	<b>Definition</b>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;
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.
<b>m</b>	means metres;
mbgl	means metres below ground level;
monthly period	means a one-month period commencing from the first day of a month until the last day of the same month.
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;
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(s) (Figure 1 and 2) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
quarterly	means the 4 inclusive periods from 1 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March;
Schedule 1	means Schedule 1 of this Licence unless otherwise stated;
Schedule 2	means Schedule 2 of this Licence unless otherwise stated; and
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
waste	has the same meaning given to that term under the EP Act.

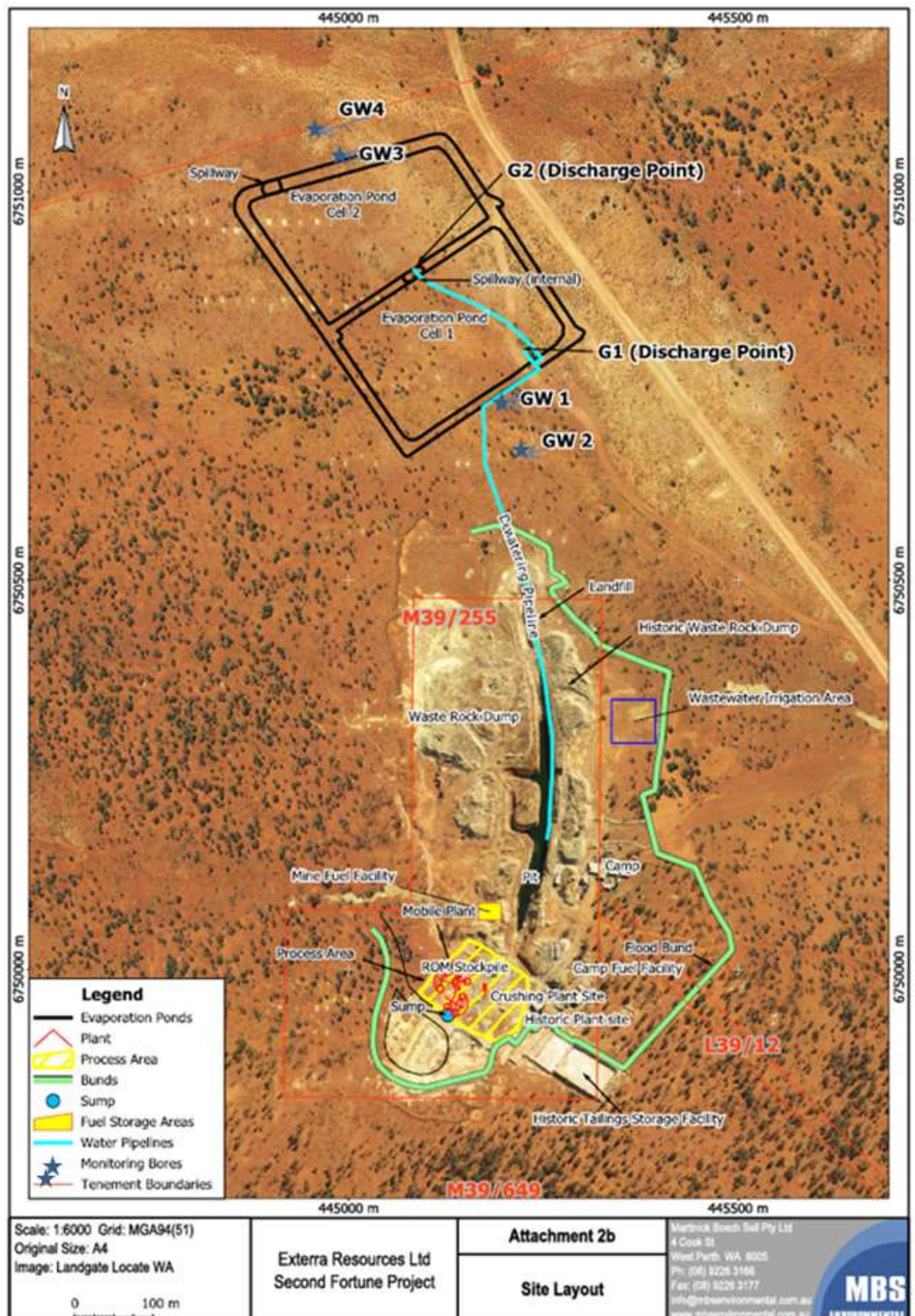
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**END OF CONDITIONS**



**Map of infrastructure, emission points and monitoring locations**

The location of key infrastructure, emission points and groundwater monitoring bores GW1, GW2, GW3 and GW4 are show on the map below.





## Schedule 2: Notification forms

Licence: L9012/2016/1

Licence holder: Linden Gold Pty Ltd

Form: N1

Date of breach:

### Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

### Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

### Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Linden Gold Pty Ltd	
Date	