



Licence

Environmental Protection Act 1986, Part V

Licensee: Altura Lithium Operations Pty Ltd

Licence: L8610/2011/1

Registered office: Unit 5, 25 Hamilton Street
SUBIACO WA 6008

ACN: 095 384 491

Premises address: Roy Hill Infrastructure Rail Construction Camp 2
Approximately 100 kilometres south of Port Hedland within the area bounded by
677460E, 7662967N; 677642E, 7662838N; 677748E, 7662672N; 678000E,
7662672N; 678001E, 7662152N; 677499E, 7662156N; 677497E, 7662674N;
677450E, 7662758N; 677370E, 7662817N (MG50 MARBLE BAR WA 6760
As depicted in Schedule 1.

Issue date: Friday, 31 August 2012

Commencement date: Monday, 3 September 2012

Expiry date: Saturday, 2 September 2017

Prescribed premises category
Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
54	Sewage facility: premises: (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	100 cubic metres or more per day	175.7 cubic metres per day

Conditions

Subject to this Licence and the conditions set out in the attached pages.

Date signed: 21 February 2017

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Alan Kietzmann
Manager Licensing – Industry Regulation (Waste Industries)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a Government Department for the State of Western Australia in the portfolio of the Minister of Environment. DER's purpose is to protect and conserve the State's environment on behalf of the people of Western Australia.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitor and audit compliance with works approvals and licence conditions, take enforcement action as appropriate and develop and implement licensing and industry regulation policy.

Licence requirements

This licence is issued under Part V of the Act. Conditions contained with the licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees



If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises. Operating without a licence is an offence under the Act.

Ministerial Conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for the Environment. You are required to comply with any conditions imposed by the Minister.

Premises Description and Licence Summary

Roy Hill Infrastructure Pty Ltd (RHI) has constructed an accommodation camp to support the construction of a railway line from their Roy Hill Iron Ore Mine to their port operations in Port Hedland. The camp accommodates 300 people with the capacity for expansion to 500 people. The camp includes a wastewater treatment plant (WWTP) for treating wastewater, including water from the kitchen and ablution facilities, and landfill facility. The WWTP has the capacity to treat 175.7 m³/day of sewage. Secondary treated effluent is chlorinated and discharged by impact sprinklers to a dedicated irrigation field of 3.8 ha.

The main emissions are discharges of treated wastewater to the irrigation field.

This Licence is the result of a licence transfer application dated 18/01/2017 for change of ownership from Roy Hill Infrastructure Pty Ltd to Altura Lithium Operations Pty Ltd. It also reflects the amendment granted from 8/2/2017 to remove category 89 from the licence. The AACR pro-forma has also been removed as this is available at the DER website. No licence conditions have been amended as part of this transfer. The Delegated Officer has determined that risk profile has not changed and the existing controls are considered adequate to manage the risk.

The licenses and works approvals issued for the Premises since 2010:

Instrument Log		
Instrument	Issued	Description
W4834/2010/1	14/7/2011	New application
L8610/2011/1	5/7/2012	New application
L8610/2011/1	18/4/2013	Amendment to include category 89
L8610/2011/1	17/10/2013	Amendment to allow the discharge of brine from the Reverse Osmosis Plant to the irrigation field.
L8610/2011/1	10/09/2015	Amendment to allow a change in discharge concentration of TDS in brine from the Reverse Osmosis Plant to the irrigation field.
L8610/2011/1	08/02/2017	Amendment Notice to remove category 89 from the licence.
L8610/2011/1	Draft	Transfer of Occupier from Roy Hill Infrastructure Pty Ltd to Altura Lithium Operations Pty Ltd and administrative changes

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence Conditions

1 General

1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Licence, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*

'AHD' means the Australian height datum;

'annual period' means the period from 1 January until 31 December in that year;

'AS 1940' means the current version of Australian Standard AS 1940 *The storage and handling of flammable and combustible liquids*;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

'averaging period' means the time over which a limit or target is measured or a monitoring result is obtained;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence and advice means:

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Telephone: (08) 9333 7510
Facsimile: (08) 9333 7550
info@der.wa.gov.au;

'Licence' means this Licence numbered L8610/2011/1 and issued under the *Environmental Protection Act 1986*;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'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;

'practicable' is as defined in the *Environmental Protection Act 1986*;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of this Licence;



'quarterly period' means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December in that year;

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

'sewage' means waste containing faecal matter or urine and conveyed in sewers;

'spot sample' means a discrete sample representative at the time and place at which the sample is taken; and

'usual working day' means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this licence.

1.2 General Conditions

1.2.1 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

1.2.2 The Licensee shall manage stormwater on the site to ensure that:

- (a) it is diverted away from those portions of the premises which are or have been used for waste deposition; and
- (b) stormwater that is or has been in contact with waste is diverted into a sump on the site or otherwise retained on the site.

1.3 Premises operations

1.3.1 The Licensee shall only accept waste on to the Premises if:

- (a) it is of a type listed in Table 1.3.1;
- (b) the quantity accepted is below any quantity limit listed in Table 1.3.1; and
- (c) it meets any specification listed in Table 1.3.1.

Table 1.3.1: Waste acceptance

Waste type	Quantity limit	Specification ¹
Sewage	175.7 m ³ /day	Accepted through sewer inflow(s) only

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

1.3.2 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.

Table 1.3.2: Waste processing

Waste type	Process(es)	Process limits ¹
Sewage	Biological, physical and chemical treatment.	175.7 m ³ /day

Note 1: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.



1.3.3 The Licensee shall:

- (a) erect and maintain suitable fencing around the irrigation area that acts as an effective barrier to unauthorised persons, cattle, horses and other stock; and
- (b) undertake regular inspections of all security measures and repair damage as soon as practicable.

1.3.4 The Licensee shall ensure that the irrigation of treated wastewater meets the following:

- (a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the irrigation area;
- (b) wastewater is evenly distributed over the irrigation area;
- (c) soil erosion is prevented from occurring; and
- (d) a healthy vegetation cover is maintained over the wastewater irrigation areas.

2 Emissions

2.1 Emissions to land

2.1.1 The Licensee is permitted, subject to conditions in the licence, to emit waste to land through the emissions points listed in Table 2.1.1 and depicted in the map in Schedule 1.

Table 2.1.1: Emission points to land

Emission point reference (and location on Map of emission points)	Description	Source
L1	Discharge to on-site irrigation area	Combined treated wastewater and reverse osmosis reject water

3 Monitoring

3.1 General monitoring

3.1.1 The licensee shall ensure that:

- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1[unless indicated otherwise in the relevant table];
- (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
- (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
- (d) all samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured [unless indicated otherwise in the relevant table].

3.1.2 The Licensee shall ensure that quarterly monitoring is undertaken at least 45 days apart.

3.1.3 The Licensee shall have all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications, the requirements of the Licence and any relevant Australian standard.

3.1.4 The Licensee 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.

3.2 Emissions to land

3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.



Table 3.2.1: Monitoring of emissions to land

Emission point reference	Parameter	Units	Reference period	Frequency
L1 (Prior to discharge to the irrigation area)	Cumulative Volume	m ³	Monthly	Monthly
	Biochemical Oxygen Demand	mg/L	Spot sample	Quarterly
	Total Suspended Solids	mg/L		
	pH ¹			
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		
	E.coli	mg/L		
	Total Dissolved Solids	mg/L		

Note 1: In-field non-NATA accredited analysis permitted.

4 Information

4.1 Records

4.1.1 All information and records required by this licence shall:

- (a) be legible;
- (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
- (c) except for records listed in 4.1.1(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 or any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect condition of the land or waters.

4.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.

4.1.3 The Licensee 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.

4.2 Reporting

4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 90 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report

Condition or Table (if relevant)	Parameter	Format or Form ¹
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the annual period and any action taken	None specified
4.1.2	Compliance	Annual Audit Compliance Report (AACR) – available from DER website.
4.1.3	Complaints summary	None specified
Table 3.2.1	Cumulative Volume	None specified



Table 4.2.1: Annual Environmental Report

Condition or Table (if relevant)	Parameter	Format or Form¹
Table 3.2.1	Biochemical Oxygen Demand, Total Suspended Solids, pH, Total Nitrogen, Total Phosphorus, E.coli, Total Dissolved Solids	WR1

Note 1: Forms are in Schedule 2

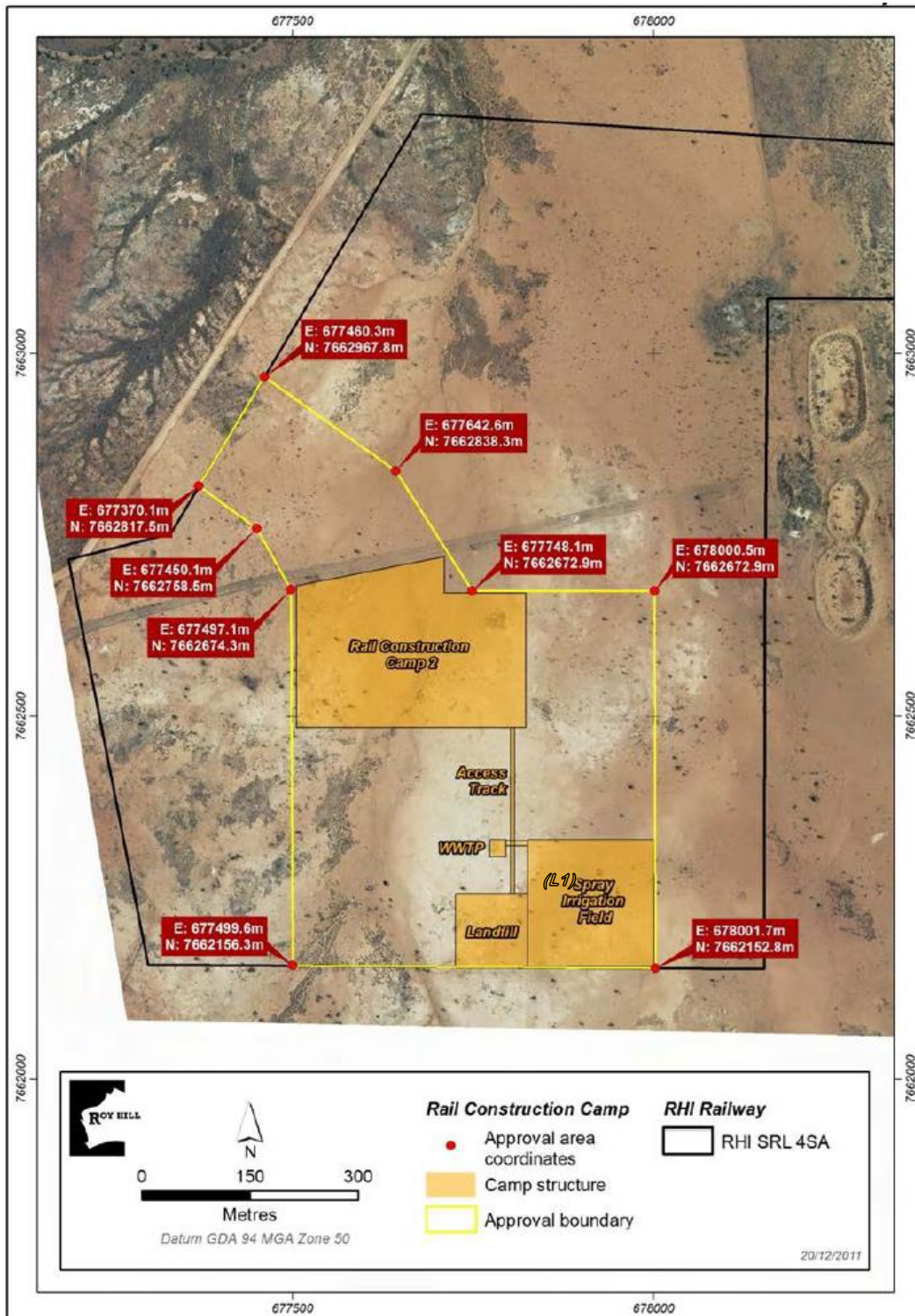
- 4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results and Licence limits.



Schedule 1: Maps

Premises Map

The Premises is shown in the map below. The yellow line depicts the Premises boundary. The area in which the disposal of waste by landfilling may take place is also shown in the map below.





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L8610/2011/1

Form: WR1

Name: Monitoring of point source emissions to land

Licensee: Roy Hill Infrastructure Pty Ltd

Period:

Form WR1: Monitoring of point source emissions to land					
Emission point	Parameter	Result	Averaging Period	Method	Sample date & Times
L1	Biochemical Oxygen Demand		Spot Sample		
	Total Suspended Solids				
	pH				
	Total Nitrogen				
	Phosphorus				
	<i>E. Coli</i>				
	Total Dissolved Solids				

Signed on behalf of Altura Lithium Operations Pty Ltd..... Date: