



Amendment Notice 2

Licence Number L8457/2010/2

Licence Holder Silver Lake (Integra) Pty Limited

ACN 093 278 436

File Number: 2012/006865

Premises Salt Creek Processing Facility
Mount Monger Road
EMU FLAT WA 6431
Being Tenements M25/307, M25/125, M25/133,
M25/71, G25/02, L25/33, M25/347, L25/27, L25/31,
M25/347, G25/02, L25/33, M25/307, L25/31, L25/41,
M25/125, M25/133, L25/27, M25/71, M26/249,
M26/197, M26/248, M26/409, M26/417, L25/16,
L25/23, L25/49, L25/37 and M25/350

Date of Amendment 16/10/2017

Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act) as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

Date signed: 16 October 2017

Tim Gentle

Manager Licensing, Industry Regulation (Resource Industries)

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

Definitions and interpretation

Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
ACN	Australian Company Number
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
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 33 Cloisters Square PERTH WA 6850 info-der@dwer.wa.gov.au
Delegated Officer	an officer under section 20 of the EP Act
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
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Amendment
Licence Holder	Silver Lake (Integra) Pty Limited
Occupier	has the same meaning given to that term under the EP Act
Prescribed Premises	has the same meaning given to that term under the EP Act
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence and Amendment Notice 1 issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

This Amendment Notice is limited only to an amendment for Category 6. No other changes to the aspects of the original Licence relating to Category 5 have been requested by the Licence Holder.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles (July 2015)*;
- *Guidance Statement: Setting Conditions (October 2015)*;
- *Guidance Statement: Decision Making (February 2017)*; and
- *Guidance Statement: Risk Assessments (February 2017)*.

Amendment description

On 17 July 2017, Silver Lake (Integra) Pty Ltd (Licence Holder) submitted an application to DWER for an amendment to the Salt Creek Processing Facility (Premises) licence L8457/2010/2.

This Notice is the result of the Licence Holder applying for an amendment under section 59B of the Act.

The Existing Licence currently approves dewatering of 400,000 tonnes per annum (tpa), which includes 200,000 tpa for the dewatering of the Cock-eyed Bob and Maxwell's underground mines to the Rumbles and Santa open pits.

Approval to dewater 200,000 tpa from Majestic open pit to the Fingals open pit was granted under Amendment Notice 1. The Licence Holder has applied to increase the dewatering throughput for Category 6 from 400,000 tonnes per annum (tpa) to 700,000 tpa (as shown in Table 2), due to the development of the underground operations at the Majestic open pit and a larger volume of groundwater intercepted than anticipated.

Table 2: Proposed design capacity changes

Category	Current design capacity	Proposed design capacity	Description of proposed amendment
6	400,000 tonnes per Annual Period	700,000 tonnes per Annual Period	Increase in capacity for Category 6 (additional 300,000 tpa) for dewater from the Majestic open pit to Fingals open pit

Amendment history

Table 3 provides the amendment history for L8457/2010/2.

Table 3: Licence amendments

Instrument	Issued	Amendment
L8457/2010/1	02/09/2010	Licence for Salt Creek Processing Facility
L8457/2010/2	04/09/2013	Licence reissue and transfer to new format licence
L8457/2010/2	23/01/2014	Licence amendment to construct and undertake the cyclonic tailings deposition trial
L8457/2010/2	21/08/2014	Licence amendment to remove total cyanide monitoring and include an improvement condition for submission and implementation of a Groundwater Recovery Plan. Standard conditions 1.3.5 and 2.6.2 have also been added to the Licence
L8457/2010/2	21/05/2015	Licence amendment to allow simultaneous dewatering and tailings deposition to Salt Creek in-pit Tailings Storage Facility
L8457/2010/2	31/12/2015	Licence amendment to increase nominated throughput
L8457/2010/2	06/10/2016	Licence amendment to include mobile crusher and increase nominated throughput, to include two new dewatering discharge points and reduce dewatering throughput
L8457/2010/2	10/2/2017	Amendment Notice 1 Licence amendment to include Fingals pit as a dewatering discharge location, increase the dewatering throughput to 400,000 tonnes per annum and update the premises boundary address and map
L8457/2010/2	16/10/2017	Amendment Notice 2 Licence amendment to increase the Category 6 design capacity from 400,000 tonnes per annum to 700,000 tonnes per annum

Decision

Approval to dewater 200,000 tpa from Majestic open pit to the Fingals open pit was granted under Amendment Notice 1.

The application (Silver Lake, 2017) states that the base of the Fingals pit is above groundwater level and has a volume of 1,300,000 m³ (including a 300 mm freeboard at the pit rim), which is adequate to hold the proposed dewatered volume of 500,000 tpa.

The quality of the groundwater is saline with total dissolved solids (TDS) measuring 70,000 mg/L and pH ranging from 3 to 6 depending on the time of year.

The Existing Licence has conditions relating to inspections of the dewatering pipelines and monitoring of the dewatering receiving pits for pH, TDS and volumetric flow rate (including Fingals open pit).

The Delegated Officer has determined that, given the existing management controls, the increase in dewater (from 200,000 tpa to 500,000 tpa) from the Majestic open pit to the Fingals open pit will not result in emissions which are unacceptable to public health or the environment.

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 11 September 2017. Comments received from the Licence Holder have been considered by the Delegated Officer as shown in Appendix 2.

Amendment

- Page 1 of the Licence is amended by the deletion of the text shown in strikethrough and insertion of the bold text shown in underline below:

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
05	Processing or beneficiation of metallic or non-metallic ore: premises on which – (a) Metallic or non-metallic ore is crushed, ground, milled or otherwise processed; (b) Tailings from metallic or non-metallic ore are reprocessed; or (c) Tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	50,000 tonnes or more per year	1,700,000 tonnes per annual period
06	Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.	50,000 tonnes ore more per year	400,000 700,000 tonnes per annual period

- Definitions of the Licence are amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:

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

'CEO' for the purpose of correspondence means:

~~Chief Executive Officer~~ **Director General**

Department **Administering** ~~Div.3 Pt.V the~~ EP Act

Locked Bag 33 Cloisters Square

PERTH WA 6850

Telephone: ~~(08) 9333 7510~~

Facsimile: ~~(08) 9333 7550~~

Email: ~~info@der.wa.gov.au~~ **info-der@dwer.wa.gov.au**

'department' means the department established under s.35 of the Public Sector Management Act **1994** and designed as responsible for the administration of Division 3 Part V of the Environmental Protection Act 1986;

Appendix 1: Key documents

	Document title	In text ref	Availability
1	Amendment Notice 1 Licence L8457/2010/2 – Salt Creek Processing Facility	Amendment Notice 1	accessed at www.dwer.wa.gov.au
2	Licence L8457/2010/2 – Salt Creek Processing Facility	Existing Licence	
3	L8457/2010/2 Amendment Application, Silver Lake Resources, 17 July 2017	Silver Lake, 2017	DWER records (A1478225)
4	<i>Guidance Statement: Decision Making</i> , Department of Environment Regulation, February 2017	<i>Guidance Statement: Decision Making</i>	accessed at www.dwer.wa.gov.au
5	<i>Guidance Statement: Regulatory principles</i> , Department of Environment Regulation, July 2015	<i>Guidance Statement: Regulatory principles</i>	
6	<i>Guidance Statement: Risk Assessments</i> , Department of Environment Regulation, February 2017	<i>Guidance Statement: Risk Assessments</i>	
7	<i>Guidance Statement: Setting conditions</i> , Department of Environment Regulation, October 2015	<i>Guidance Statement: Setting conditions</i>	

Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Notice on 11 September 2017 for review and comment. The Licence Holder responded on the same day waiving the remaining comment period. The following comments were received on the draft Amendment Notice.

Condition	Summary of Licence Holder comment	DWER response
Premises	The last tenement listed should read M25/350 not M15/350	Tenure updated to M25/350
Decision – Paragraph 3	TDS is 70,000 not 7,000 mg/L as stated	TDS changed to read 70,000 mg/L