



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:** Silver Lake Resources Limited

**Licence:** L8449/2010/1

**Registered office:** Suite 4, Level 3  
South Shore Centre  
85 South Perth Esplanade  
SOUTH PERTH WA 6151

**ACN:** 108 779 782

**Premises address:** Mount Monger Operations  
Mining tenements M26/129, M26/251, M26/410, M26/38, M26/280,  
M26/500, M26/636, M26/325, M26/389, M26/393, M26/94, M26/402,  
M26/411, M26/282, M26/415 and G26/167.  
KALGOORLIE WA 6430  
As depicted in Schedule 1.

**Issue date:** Thursday, 05 September 2013

**Commencement date:** Monday, 09 September 2013

**Expiry date:** Thursday, 08 September 2016

**Prescribed Premises Category**

Schedule 1 of the Environmental Protection Regulations 1987

Category number	Category description	Category production or design capacity	Premises production or design capacity
12	Screening, etc. of material (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	50 000 tonnes or more per year	500 000 tonnes per annual period
64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	20 tonnes or more per year	400 tonnes per annual period

**Conditions of Licence**

Subject to the conditions of licence set out in the attached pages.

Date signed: 4 March 2016

.....

Tim Gentle

Manager Licensing – Industry Regulation (Resources 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.

### Who we are

The Department of Environment Regulation (DER) is a Government Department for the State of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

### Our industry licensing role

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements 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.

### **Ministerial conditions**

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

### **Premises description and Licence summary**

Silver Lake Resources Limited (SLR) conducts crushing and screening activities across a number of contiguous tenements (see map) at the Mt Monger Operations approximately 54km southeast of Kalgoorlie and 50 km from Mt Monger. The equipment for this activity is a Terex Finlay Supertrack with ancillary crushing and stockpiling plant and consists of a Hartel jaw crusher, a Terex Finlay Supertrack, screen deck and sorter.

Waste material from the Christmas Flat open pit and Daisy Milano underground mine is crushed, screened and stockpiled to produce road base for the Mount Monger Operations. The material is used to sheet haul roads and access roads as road base material is required. It is anticipated that approximately 500 tonnes of road base is produced per month.

The Christmas Flat and Daisy Milano mining areas are located less than 1 km apart and the plant is track mounted and is mobilised along an existing haulage route. The area is in open eucalypt woodland of the Coolgardie Bioregion; dominant land uses are grazing and mining. The main issue of potential concern is dust from the screening plant activity. The dust is managed by water sprays via a water cart.

This licence is the result of an amendment sought by the proponent to authorise the disposal of Special Waste Type 1 (asbestos containing material) and soda lime at the site's Class II putrescible landfill at the Daisy Milano Waste Rock Dump. Soda lime is a material used in emergency operations to absorb CO<sub>2</sub> from exhaled breath in spaces with limited oxygen. It is estimated that SLR will be required to dispose of 100 kg per annual period. Asbestos is contained within the leftover pulps from past drill programs. Approximately 5 m<sup>3</sup> of pulps are labelled as material containing asbestos and currently stored in paper geochem bags inside cardboard boxes which are stacked on pallets and wrapped in plastic. Asbestos contaminated material has been authorised for disposal at the landfill under this amendment. Conversely DER does not consider the disposal of soda lime to a Class II putrescible landfill acceptable due to the waste product's high alkalinity, solubility and ability to enter the environment.

The landfill currently accepts a maximum of 300 tonnes per annual period of inert waste (plastic, non-recyclable metal, packaging, tyres etc) and 100 tonnes of putrescible waste from site offices and crib rooms as well as cardboard waste. No changes have been made to the volume of waste authorised for disposal at the landfill under this amendment.

A small amount of tyres are required to be disposed of within the landfill facility, initially 200 and then approximately 50/year. Silver Lake have committed to disposing tyres according to the below:

- burial under a final soil cover of not less than 500 mm;
- in batches separated from each other by at least 100 mm of soil; and
- ensuring that drainage, safety, soil erosion and soil stability is controlled.



The licences and works approvals issued for the Premises since 01/10/2010 are:

Instrument log		
Instrument	Issued	Description
W4675/2010/1	10/06/2010	New works approval
L8449/2010/1	01/10/2010	New licence
L8449/2010/1	05/09/2013	Licence amendment to REFIRE format
L8449/2010/1	01/05/2014	Licence amendment to remove ambient dust monitoring conditions
L8449/2010/1	12/03/2015	Licence amendment to include a Class II putrescible landfill
L8449/2010/1	03/03/2016	Licence amendment to authorise the disposal of Special Waste Type 1 at the putrescible landfill

### 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:

**'the Act'** means the *Environmental Protection Act 1986*;

**'annual period'** means the period from 1 October until 30 September in the following year;

**'Acceptance Criteria'** has the meaning defined in Landfill Definitions;

**'CEO'** for the purpose of correspondence means;

Chief Executive Officer

At the following address:

Department Administering the *Environmental Protection Act 1986*

Locked Bag 33

CLOISTERS SQUARE WA 6850

Telephone: (08) 9333 7510

Facsimile: (08) 9333 7550

Email: [info@der.wa.gov.au](mailto:info@der.wa.gov.au)

**'Clean Fill'** has the meaning defined in Landfill Definitions;

**'Inert Waste Type 1'** has the meaning defined in Landfill Definitions;

**'Inert Waste Type 2'** has the meaning defined in Landfill Definitions;



**'Landfill Definitions'** means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time;

**'Licence'** means this licence numbered L8449/2010/1 and issued under the *Environmental Protection Act 1986*;

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

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

**'Putrescible Waste'** has the meaning defined in Landfill Definitions;

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

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

**'Special Waste Type 1'** has the meaning defined in Landfill Definitions;

**'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 current version of that standard.

1.1.4 Any reference to a guideline or code of practice in the Licence means the current version of the guideline or code of practice.

## 1.2 Premises operation

1.2.1 The Licensee shall only accept waste on to the landfill if:

- (a) it is of a type listed in Table 1.2.1; and
- (b) the quantity accepted is below any quantity limit listed in Table 1.2.1; and
- (c) it meets any specification listed in Table 1.2.1.

Table 1.2.1: Waste acceptance		
Waste type	Quantity limit tonnes/ annual period	Specification <sup>1</sup>
Special Waste Type 1	300	None specified
Inert Waste Type 1		None specified
Inert Waste Type 2		Tyres and plastics only.
Contaminated solid waste		Must meet acceptance criteria for Class II landfills.
Putrescible Waste	100	Cement bonded asbestos. No fibrous asbestos shall be accepted.
Clean Fill	N/A	None specified

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*.

1.2.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in conditions 1.2.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, the Licensee shall contact the CEO to agree a course of action in relation to the waste.

1.2.3 The Licensee shall ensure that wastes accepted onto the landfill are only subjected to the process(es) set out in Table 1.2.2 and in accordance with any process limits described in that Table.



Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits <sup>1,2</sup>
Special Waste Type 1	Receipt, handling, associated storage and disposal of waste by landfilling	<u>All waste types</u> Disposal of waste by landfilling shall only take place within the landfill area shown on the Landfill Area Map in Schedule 1.  The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m.  <u>Special Waste Type 1</u> No works shall be carried out on the landfill that could lead to a release of asbestos fibres.
Inert Waste Type 1		
Inert Waste Type 2		
Putrescible Waste		
Clean fill		

Note 1: Requirements for landfilling tyres are set out in Part 6 of the Environmental Protection Regulations 1987.

Note 2: 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.

- 1.2.4 The licensee shall, where the licensee is notified or is aware, ensure the following procedures are in place for managing Special Waste Type 1 at the premises:
- (a) the disposal area(s) for any more than one cubic metre of Special Waste Type 1 is defined by grid references on the site plan; and
  - (b) a representative of the licensee is available to witness the burial of the Special Waste Type 1 in accordance with Table 1.2.3 and sign a bound, numbered register within two hours of the burial to attest that it has been buried in accordance with these procedures.

1.2.5 The Licensee shall maintain a register of Special Waste Type 1 disposed of at the Premises which shall include a plan showing the position of Special Waste Type 1 disposed of at the Premises.

1.2.6 The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.2.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.2.3: Cover requirements <sup>1</sup>	
Waste Type	Cover requirements
Special Waste Type 1	To be covered by at least one metre of clean fill or putrescible waste as soon as practicable after deposit and before being compacted to prevent the release of asbestos fibres as a result of compaction and other landfilling activities.
Putrescible waste	As soon as practicable after deposit and prior to compaction.
Inert Waste Type 2 (plastics)	
Inert Waste Type 2 (Tyres)	To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste or clean fill to prevent the spread of fire and harbouring of disease vectors.
Inert Waste Type 1	No cover required

Note 1: Additional requirements for the covering of tyres are set out in Part 6 of the Environmental Protection Regulations 1987.

- 1.2.7 The Licensee shall take all reasonable and practical measures to ensure that no wind-blown waste escapes from the Premises and that wind-blown waste is collected on at least a weekly basis and returned to the tipping area.



## 2 Monitoring

### 2.1 Monitoring of inputs and outputs

2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in that table.

<b>Table 2.1.1: Monitoring of inputs and outputs</b>				
<b>Input/Output</b>	<b>Parameter</b>	<b>Units</b>	<b>Averaging period</b>	<b>Frequency</b>
Waste Inputs	Special Waste Type 1	m <sup>3</sup> (where no weighbridge is present)	N/A	Each load arriving at the Premises
	Inert Waste Type 1			
	Putrescible Waste			
Waste Outputs	Waste type as defined in the Landfill Definitions			Each load leaving or rejected from the Premises

## 3 Information

### 3.1 Records

3.1.1 All information and records required by the 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 3.1.1(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 and any subsequent licence:
  - (i) off-site environmental effects; or
  - (ii) matters which affect condition of the land or groundwater.

3.1.2 The Licensee shall ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of this Licence and has access at all times to this Licence or copies thereof; and
- (b) any person who performs tasks on the Premises is informed of all of the conditions of this Licence that relate to the tasks which that person is performing.

3.1.3 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 annual period.

3.1.4 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.



### 3.2 Reporting

3.2.1 The Licensee shall submit to the CEO at the Contact Address an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 3.2.1 in the format or form specified in that table.

<b>Table 3.2.1: Annual Environmental Report</b>		
<b>Condition or table (if relevant)</b>	<b>Parameter</b>	<b>Format or form<sup>1</sup></b>
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the year and any action taken	None specified
1.2.5	An up-to-date copy of the plan showing the position of Special Waste Type 1 disposed of at the Premises	
Table 2.1.1	Summary of inputs and outputs	
3.1.3	Compliance	AACR
3.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

3.2.2 The Licensee shall ensure that the annual environmental report also contains an assessment of the information contained within the report against previous monitoring results.

### 3.3 Notification

3.3.1 The Licensee shall ensure that the parameters listed in Table 3.3.1 are notified to the CEO at the contact address and in accordance with the notification requirements of the table.

<b>Table 3.3.1: Notification requirements</b>			
<b>Condition or table (if relevant)</b>	<b>Parameter</b>	<b>Notification requirement<sup>1</sup></b>	<b>Format or form<sup>2</sup></b>
-	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.	N1

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

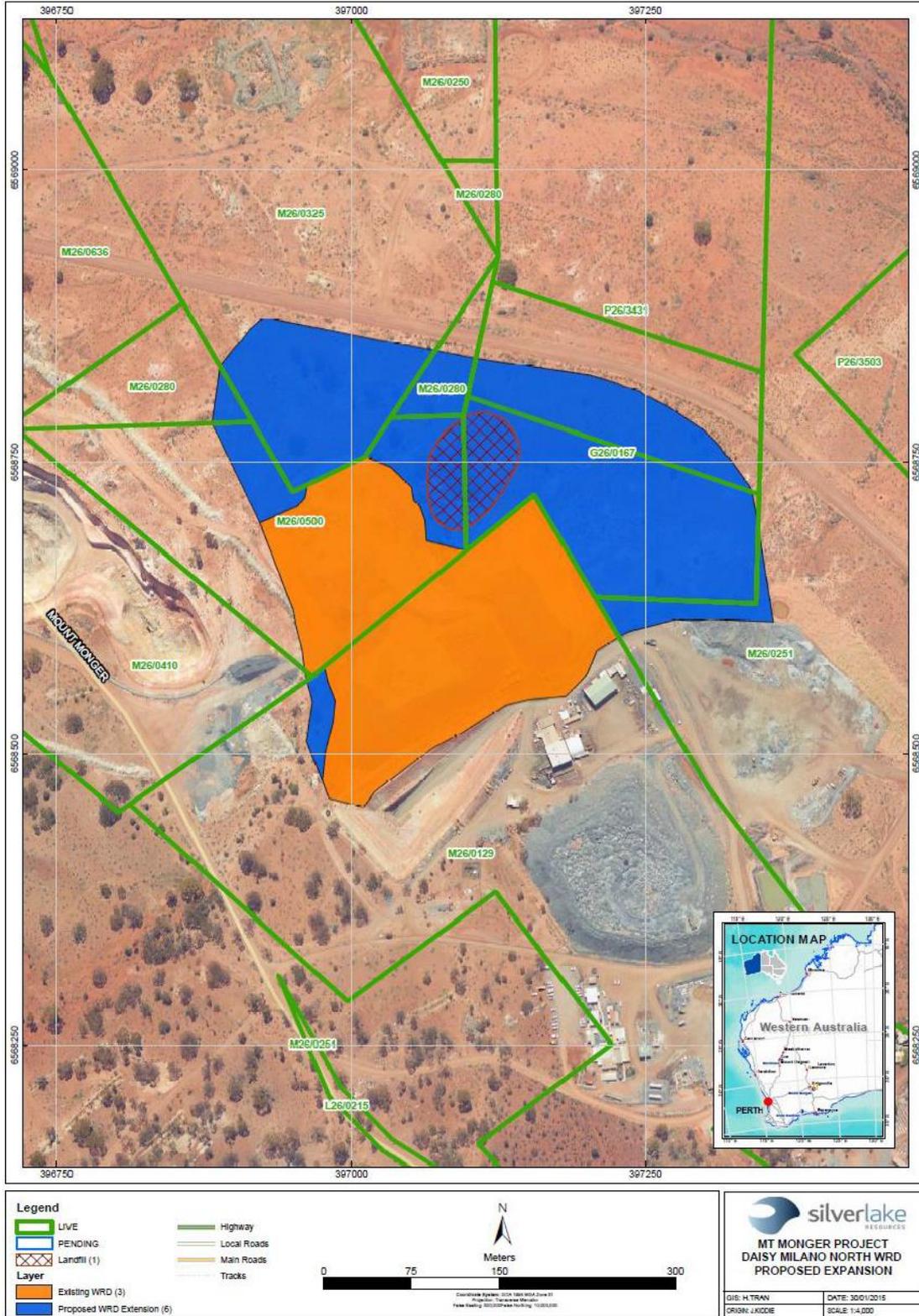
Note 2: Forms are in Schedule 2.





### Landfill Area Map

The waste rock landform is shown in the map below. The red cross-hatched area depicts the landfilling area.





## Schedule 2: Reporting & notification forms

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

Copies of the original monitoring reports must also be submitted.

Licence: L8449/2010/1 Licensee: Silver Lake Resources Limited  
 Form: AACR Period :  
 Name: Annual Audit Compliance report

### Annual Audit Compliance Report

#### Section A: Statement of compliance with licence conditions

Were all conditions of licence complied with within the reporting period?		
Yes	<input type="checkbox"/>	Initial Sections A & B, then proceed to Section C
No	<input type="checkbox"/>	Initial Section A, then proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this annual audit compliance report (AACR).

Initial:



**Section B: Details of non-compliance with licence condition**

a) Licence condition not complied with?	
b) Date(s) b) Date(s) and time(s) the non compliance occurred, if applicable?	
c) Was this non compliance reported to DER?	
<input type="checkbox"/> Yes, and <input type="checkbox"/> Reported to DER verbally   Date <input type="checkbox"/> Reported to DER in writing   Date	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Please use a separate page for each licence condition that was not complied with. Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:



### Section C: Signature and certification

This AACR may only be signed by a person(s) with legal authority to sign it as defined below. Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The AACR must be signed and certified:
an individual	<input type="checkbox"/>	by the individual licence holder, or
	<input type="checkbox"/>	by a person approved in writing by the Chief Executive Officer (CEO) of DER to sign on the Licensee's behalf.
a corporation	<input type="checkbox"/>	by affixing the common seal of the Licensee in accordance with the Corporations Act 2001; or
	<input type="checkbox"/>	by two directors of the Licensee; or
	<input type="checkbox"/>	by a director and a company secretary of the Licensee, or
	<input type="checkbox"/>	if the Licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or
	<input type="checkbox"/>	by the principal executive officer of the Licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the Licensee's behalf who is approved in writing by the CEO of DER.
A public authority (other than a local government)	<input type="checkbox"/>	by the principal executive officer of the Licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the Licensee's behalf who is approved in writing by the CEO of DER.
a local government	<input type="checkbox"/>	by the CEO of the Licensee; or
	<input type="checkbox"/>	by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this AACR is correct and not false or misleading in a material particular.

Signature: \_\_\_\_\_ Signature: \_\_\_\_\_

Name: (printed) \_\_\_\_\_ Name: (printed) \_\_\_\_\_

Position: \_\_\_\_\_ Position: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Seal (if signing under seal)



Licence: L8449/2010/1  
 Form: N1

Licensee: Silver Lake Resources Limited  
 Date of breach:

**Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.**

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	L8449/2010/1
Name of operator	Silver Lake Resources Limited
Location of Premises	
Time and date of the detection	

<b>Notification requirements for the breach of a limit</b>	
<b>To be notified as soon as practicable and no later than 5PM of the next working day</b>	
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 - to be submitted as soon as practicable**

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 unauthorised emissions from the installation in the preceding 24 months.	
---	--

Name	
Post	
Signature on behalf of Silver Lake Resources Limited	
Date	



# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:** Silver Lake Resources Limited

**Licence:** L8449/2010/1

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**Registered office:** Suite 4, Level 3  
South Shore Centre  
85 South Perth Esplanade  
SOUTH PERTH WA 6151

**ACN:** 108 779 782

**Premises address:** Mount Monger Operations  
Mining tenements M26/129, M26/251, M26/410, M26/38, M26/280,  
M26/500, M26/636, M26/325, M26/389, M26/393, M26/94, M26/402,  
M26/411, M26/282, M26/415 and M26/167.  
KALGOORLIE WA 6430

**Issue date:** Thursday, 05 September 2013

**Commencement date:** Monday, 09 September 2013

**Expiry date:** Thursday, 08 September 2016

### Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended licence. DER considers that in reaching this decision, it has taken into account all relevant considerations and legal requirements and that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Clarrie Green  
Licensing Officer

Decision Document authorised by: Tim Gentle  
Manager Licensing



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### 1 Purpose of the Decision Document

This Decision Document explains how DER has assessed and determined the application for a works approval or licence, and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

## 2 Administrative summary

Administrative details		
Application type	Works Approval	<input type="checkbox"/>
	New Licence	<input type="checkbox"/>
	Licence amendment	<input checked="" type="checkbox"/>
	Works Approval amendment	<input type="checkbox"/>
Activities that cause the premises to become prescribed premises	<b>Category number(s)</b>	<b>Assessed design capacity</b>
	12	500 000 tonnes per annual period
	64	400 tonnes per annual period
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Compliance Certificate received	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Commercial-in-confidence claim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Referral decision No:	
	Managed under Part V <input type="checkbox"/>	
		Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		Ministerial statement No:



		EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i> )?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If Yes, include details here, eg Site is subject to SO <sub>2</sub> requirements of Kwinana EPP.		

### 3 Executive summary of proposal

Silver Lake were originally licensed under L8449/2010/1 to operate a mobile crushing and screening plant to process waste material from the Daisy Milano underground mine to produce road base for the Mount Monger Operations. Approximately 500 tonnes of road base is produced per month. Wastes produced on site are disposed within trenches on the Waste Rock Dump (WRD).

The landfill currently accepts a maximum of 300 tonnes per annual period of inert waste (plastic, non-recyclable metal, packaging, tyres etc) and 100 tonnes of putrescible waste from site offices and crib rooms as well as cardboard waste. A small amount of tyres are required to be disposed of within the landfill facility, initially 200 and then approximately 50/year. Silver Lake have committed to disposing tyres according to the below:

- burial under a final soil cover of not less than 500 mm;
- in batches separated from each other by at least 100 mm of soil; and
- ensuring that drainage, safety, soil erosion and soil stability is controlled.

This licence is the result of an amendment sought by the proponent to authorise the disposal of asbestos contaminated material (ACM) and soda lime at the site's Class II putrescible landfill at the Daisy Milano Waste Rock Dump. The ACM is contained within the leftover pulps from past drill programs. Approximately 5 m<sup>3</sup> of pulps are labelled as ACM and currently stored in paper geochem bags inside cardboard boxes which are stacked on pallets and wrapped in plastic. The soda lime is a material used in closed-circuit breathing environments to absorb CO<sub>2</sub> from exhaled breath. It is estimated that SLR will be required to dispose of 100 kg per annual period.



## 4 Decision table

All applications are assessed under the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1986*, DER's *Policy Statement - Limits and targets for prescribed premises (2006)* and the risk matrix found in section 6 of the Decision Document. Where other references have been used in making the decision they are detailed in the decision table.

DECISION TABLE			
Works Approval /Licence section	Condition number	Justification (including risk description & decision methodology where relevant)	Reference documents
<b>General conditions</b>	Former conditions 1.2.1 – 1.2.5	General conditions have been removed from the Licence as they are not enforceable.	N/A
<b>Premises operation</b>	1.2.1	Existing Licence condition 1.2.1 permits Silver Lake to accept up to 400 tonnes per annual period of putrescible and inert wastes including tyres at the landfill. Special Waste Type 1 (ACM) has been added to the waste types permitted for acceptance at the landfill. ACM is currently in storage in a cement-bonded form and is boxed and wrapped suggesting that the likelihood of asbestos fibres being released is rare.	General Provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection (Controlled Waste) Regulations 2004</i>
	1.2.4 and 1.2.5	To ensure that asbestos fibres are not released during disposal of ACM or in the future, condition 1.2.4 has been added to the Licence to require a representative to oversee the ACM's burial and for any large disposal of ACM to be grid referenced on the site plan. The site plan will need to be maintained in accordance with condition 1.2.5.	
	1.2.6	Table 1.2.3 has been amended to require the burial of ACM with at least one metre of clean fill or putrescible waste as soon as practicable after deposit and before being compacted to prevent the release of asbestos fibres as a result of compaction and other landfilling activities.	
	N/A	Soda lime is used to absorb carbon dioxide in closed breathing environments. SLR proposes to place soda lime in plastic garbage bags prior to disposal.  The landfill is located within the WRD and is roughly 15 metres above ground while the groundwater level is approximately 30 metres below ground level. Although it is	



<b>DECISION TABLE</b>			
<b>Works Approval /Licence section</b>	<b>Condition number</b>	<b>Justification (including risk description &amp; decision methodology where relevant)</b>	<b>Reference documents</b>
		<p>unlikely that will soda lime will seep through to groundwater, the very high pH (approximately 12) and high solubility of the waste increases the likelihood of soil contamination. Safety Data Sheets for various soda lime products recommend that measures are taken to prevent the access of soda lime to the environment.</p> <p>Therefore DER does not consider the disposal of soda lime to a Class II putrescible landfill such as the Mount Monger landfill acceptable. Soda lime has not been added to Table 1.2.1 to authorise material for burial at the Mount Monger Landfill. Waste soda lime will need to be disposed at a licensed premises capable of neutralising the waste prior to disposal or guaranteeing its containment from the environment.</p>	
<b>Fugitive emissions</b>	Former conditions 2.6.1 – 2.6.2	<p>Generic fugitive conditions have been removed from the Licence as they are unenforceable. Furthermore the use of the crushing and screening facility is the most likely source of fugitive dust emissions and current throughputs are significantly lower than authorised throughputs. Therefore dust emissions are not expected to significantly impact the surrounding environment.</p> <p>The substantive offences in the <i>Environmental Protection Act 1986</i> provide enforceable prohibitions for dust emissions that result in pollution or environmental harm.</p>	General provisions of the <i>Environmental Protection Act 1986</i>
<b>Monitoring of inputs and outputs</b>	2.1.1	Silver Lake will be required to monitor waste throughputs and volumes of ACM under the amended Licence. As there is no weighbridge onsite volumes will need to be measured in cubic metres. Each waste type (ACM, inert wastes and putrescible wastes) will need to be measured separately by SLR to justify compliance with Table 1.2.1 which limits the quantity of waste disposed.	N/A
<b>Information</b>	3.2.1  3.3.1	<p>SLR will be required to provide an updated plan showing the position of Special Waste Type 1 disposed of at the Premises under the amended Licence.</p> <p>The former reporting condition requiring any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution, has been removed. This condition duplicated the requirement of s72 of the <i>Environmental Protection Act 1986</i>.</p>	General Provisions of the <i>Environmental Protection Act 1986</i>



<b>DECISION TABLE</b>			
<b>Works Approval /Licence section</b>	<b>Condition number</b>	<b>Justification (including risk description &amp; decision methodology where relevant)</b>	<b>Reference documents</b>
<b>Licence duration</b>	N/A	No changes have been made to the expiry date of the Licence.	N/A



## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
22/2/2016	Proponent sent a copy of draft instrument	No comments received.	N/A

## 6 Risk Assessment

*Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management*

**Table 1: Emissions Risk Matrix**

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High