



Licence

Environmental Protection Act 1986, Part V

Licensee: Western Australian Specialty Alloys Pty Ltd

Licence: L8419/2010/3

Registered office: 2-4 Hopewell Street
CANNING VALE WA 6155

ACN: 053 910 188

Premises address: Western Australian Speciality Alloys
2-4 Hopewell Street
CANNING VALE WA 6155
Being Lot 383 on Diagram 83026 as depicted in Schedule 1.

Issue date: Thursday, 4 February 2016

Commencement date: Friday, 5 February 2016

Expiry date: Sunday, 4 February 2018

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
45	Metal melting or casting: premises on which metal or scrap metal is melted in furnaces or cast	100 tonnes or more per year	6,000 tonnes per annual period

Conditions

This Licence is subject to the conditions set out in the attached pages.

Date signed: 4 February 2016

.....
Ed Schuller

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 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.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) 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 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 within 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

Western Australian Speciality Alloys Ltd Pty (WASA) operates a metal melting and finishing factory in the Perth suburb of Canning Vale, approximately 350m south of the nearest residential development in Parkwood. The site is situated on the Swan Coastal Plain, approximately 3 km from the Canning River, and approximately 4km north east from a Priority 1 public drinking water source area.

The facility manufactures alloys from several different metals including nickel, cobalt, chromium iron and aluminium. The alloys are cast into ingots and sent overseas for use in aerospace, power generation, oil and gas and chemical operations. The main activities at the premises are melting and pouring of metals, cutting and grinding of ingots and laboratory testing of the alloys.

The facility consists of the small bar processing area, the larger ingot processing area and the quality control laboratory.

Feedstock is in ingot bar or pellet form from clean sources or scrap that is used in the process is either clean metal from the process on site and is ready to process or is material sent back to WASA from clients that contains slight ceramic contamination from moulds and is cleaned prior to melting. Contaminated scrap is not purchased for use due to the requirement for high grade alloys. Materials are transported by forklift from feed stock areas to furnaces.

Metals are melted in a vacuum arc furnace and re-melted in an electro slag furnace or vacuum arc furnace to remove impurities. Molten material is poured into moulds which are cooled in open floor space before separation of the casting from the mould. Castings are shot blasted with abrasive material to remove any surplus metal and impurities such as oxidation from the casting process.

The main emissions relate to air quality and include dust, fumes, furnace emissions and odour. Dust emissions are managed through dust collection systems that feed through to reverse pulse bag filters and the laboratory fume extractor feeds through to a wet scrubber. The vacuum exhaust stack filters air or argon through the exhaust stack. Direct exhaust emissions from the gas fired burner stacks enter the atmosphere.

Point source emissions to air are from 3 main type of sources, with 14 different emission points:

- Dust and gas emissions from furnaces used to heat the alloys and pre heat moulds, turn dish's and launders;
- Dust emissions from finishing ingots such as shot blasting, cutting and grinding; and
- Emissions from the laboratory quality control tests.

There are no sources of fugitive dust emissions from the facility with no external stockpiles and dust from bag houses collected and sold or used for remelting.

Waste water from the laboratory is treated and discharged to sewer via a Water Corporation discharge licence. Wastewater slurry from the cutting process is collected in a trough to allow the



collected metal dust to settle; the wastewater is then recirculated through the processes, whilst the sediment is collected in drums and sent for processing or disposal.

This licence is a reissue of the previous L8419/2010/2 Licence.

The licences and works approvals issued for the Premises since 04/02/2010 are:

Instrument log		
Instrument	Issued	Description
L8419/2010/1	04/02/2010	New application
L8419/2010/2	25/01/2012	Licence re-issue
L8419/2010/2	4/02/2016	Licence reissued and converted to new format

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 For the purposes of this Licence, unless the contrary intention appears:

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

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

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

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department Administering the *Environmental Protection Act 1986*
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

'Licence' means this Licence numbered L8419/2010/3 and issued under the Act;

'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;

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

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

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.

1.1.5 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:

- (a) pollution;
- (b) unreasonable emission;
- (c) discharge of waste in circumstances likely to cause pollution; or
- (d) being contrary to any written law.



1.2 General conditions

- 1.2.1 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.
- 1.2.2 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

2 Emissions

2.1 General

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

2.2 Point source emissions to air

- 2.2.1 The Licensee shall ensure that where waste is emitted to air from the emission points in Table 2.1.1 and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this Licence.

Table 2.1.1: Emission points to air		
Emission point reference	Emission point source including any abatement	Emission point height (m)
1	Finishing line baghouse (inside building)	Approx. 8m above ground
2	Finishing line baghouse (Inside building)	Approx. 8m above ground
3	Ingot processing baghouse	Approx. 8m above ground
4	Revert processing baghouse	Approx. 8m above ground
5	Crucible cleaning baghouse	Approx. 8m above ground
6	VIM vacuum pump exhaust filtered through oil	Approx. 25m above ground
7	Tundish preheater exhaust	Approx. 25m above ground
8	Launder preheater exhaust	Approx. 25m above ground
9	Homogenisation furnace exhaust	Approx. 10m above ground
10	Homogenisation furnace exhaust	Approx. 10m above ground
11	Homogenisation furnace exhaust	Approx. 10m above ground
12	Laboratory fume extraction exhaust	Approx. 12m above ground
13	Homogenisation furnace exhaust	Approx. 2m above ground
14	Mould cleaning baghouse (inside building)	Approx. 8m above ground



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 the 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.
- 3.1.2 The Licensee shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.
- 3.1.3 The Licensee shall complete an Annual Audit Compliance Report (AACR) 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.
- 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 an Annual Environmental Report (AER) within 31 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.

Table 3.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	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
3.1.3	Compliance	Annual Audit Compliance Report (AACR)
3.1.4	Complaints summary	None specified

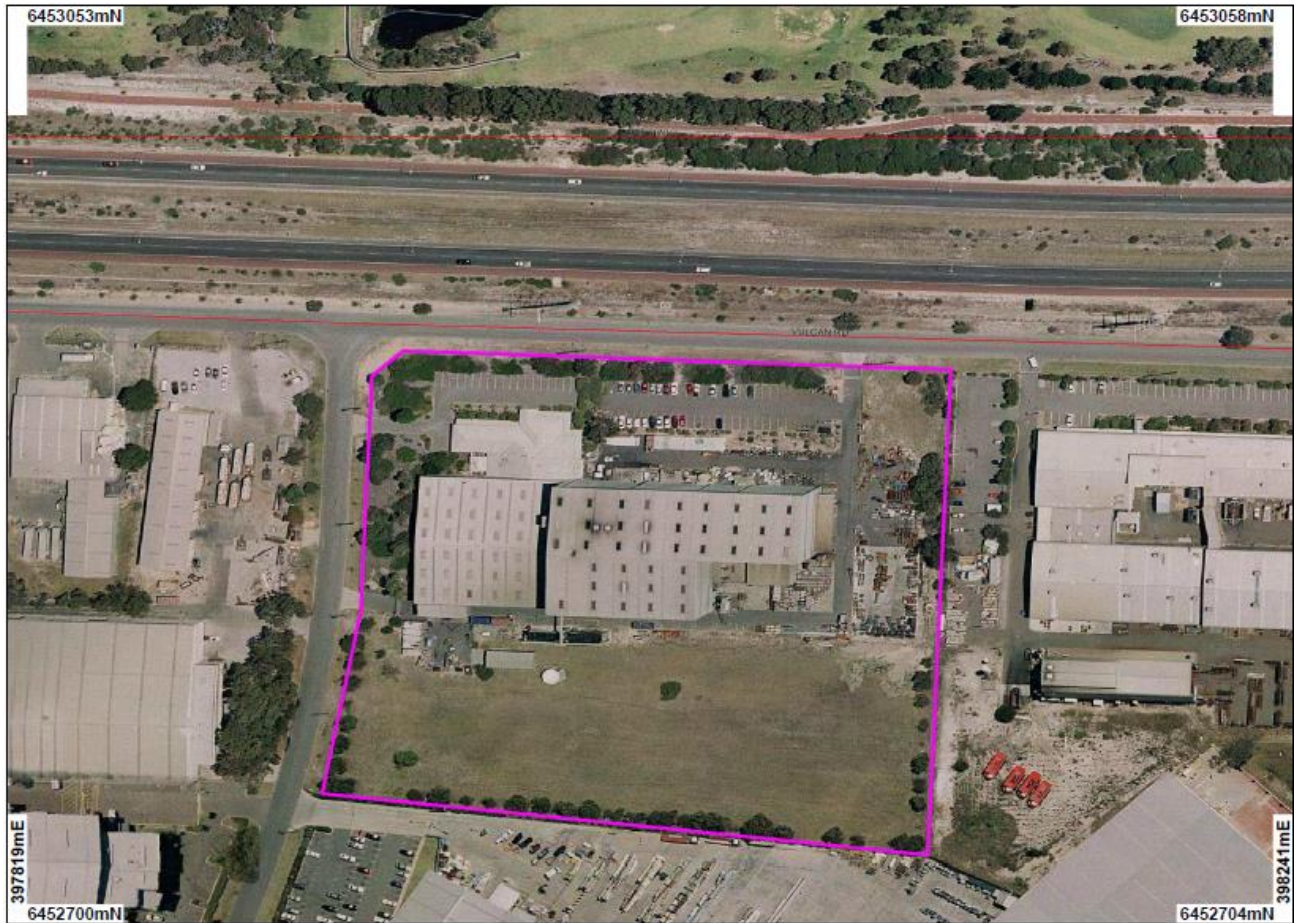
Note 1: Forms are provided in Schedule 2.



Schedule 1: Maps

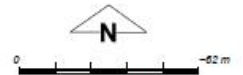
Premises map

The Premises is shown in the maps below. The pink line depicts the Premises boundary.



LEGEND

-  Road Centrelines
- Perth Metropolitan Central
20cm Orthomosaic - Landgate
2009



Scale 1:2386

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: Joannaw

Prepared for:

Date: 8/12/2014 1:33:37 PM

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Government of Western Australia
Department of Environment Regulation

WA Crown Copyright 2002



Map of emission points

The locations of the emission points defined in Table 2.1.1 are shown 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.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name: Trading as:	ABN:
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes Please proceed to Section C

No Please 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 C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out 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 Annual Audit Compliance Report must be signed and certified:
An individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or 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 annual audit compliance report 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)



Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Western Australian Speciality Alloys Pty Ltd**

Licence: **L8419/2010/3**

Registered office: 2-4 Hopewell Street
CANNING VALE WA 6155

ACN: 053 910 188

Premises address: Western Australian Speciality Alloys
2-4 Hopewell Street
CANNING VALE WA 6155
Being Lot 383 on Diagram 83026 as depicted in Schedule 1.

Issue date: Friday, 5 February 2016

Commencement date: Friday, 5 February 2016

Expiry date: Sunday, 4 February 2018

Decision

Based on the assessment detailed in this document, the Department of Environment Regulation (DER) has decided to issue a 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: Richard Wilson
Licensing Officer

Decision Document authorised by: Ed Schuller
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application 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 checked="" type="checkbox"/>
	Licence amendment <input type="checkbox"/>	Works Approval amendment <input type="checkbox"/>
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	45	6000 tonnes per annual period
Application verified	Date: 15/12/2015	
Application fee paid	Date: 6/01/2016	
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	NA	
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/>	No <input checked="" 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"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>



3 Executive summary of proposal and assessment

Western Australian Speciality Alloys Ltd Pty operates a metal melting and finishing factory in the Perth suburb of Canning Vale, approximately 350m south of the nearest residential development in Parkwood. The site is situated on the Swan Coastal Plain, approximately 3km from the Canning River, and approximately 4km from a Priority 1 public drinking water source area.

The facility manufactures nickel and cobalt based alloys for aerospace, power generation, oil and gas and chemical operations.

The main activities at the premises are the melting and pouring of metals. Metals are melted in a vacuum arc furnace and re-melted in an electro slag furnace or vacuum arc furnace to remove impurities. Molten material is poured into moulds which are cooled in open floor space before separation of the casting from the mould. Castings are shot blasted with abrasive material to remove any surplus metal from the casting.

The main emissions relate to air quality and include dust, fumes, furnace emissions and odour. Dust emissions are managed through dust collection systems that feed through to reverse pulse bag filters. Fumes from the laboratory are first fed through the laboratory fume extractor and then through to a wet scrubber. The vacuum exhaust stack filters air or argon through the exhaust stack. Direct exhaust emissions from the gas fired burner stacks enter the atmosphere.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the Decision Document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.2.1 L1.2.2	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Spills of materials such as fuels, waste waters and chemical solutions stored and used on the premises contaminating stormwater or flowing off site. <i>Impact:</i> Contamination of soil and/or groundwater on or around the premises. There are no public drinking water source area (PDWSA) located within 4km of the premises. Contamination of groundwater with fuels or chemical solutions may have limited localised impacts. <i>Controls:</i> All materials likely to cause contamination are stored within bunding or buildings. All operational areas within the site are hardstand. Clean stormwater is diverted away from potential contamination sources and discharges to the on-site drainage system.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Condition 1.2.1 has been included as per the point source emissions to air risk assessment. It requires the licensee to operate and maintain pollution control and monitoring equipment to the manufacturers specifications or relevant and</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.</p> <p>L8419/2010/2</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>effective internal management systems. The licensee has baghouse systems that will need to be managed in accordance with this requirements.</p> <p>Condition 1.2.2 requires the recovery and disposal of spills and addresses the risk of stormwater contamination.</p> <p>The premises is subject to <i>the Environmental Protection (Unauthorised Discharges) Regulations 2004</i> (UDRs); and general provisions of the Act.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p> <p>Condition 1.2.2 replaces condition A1 of the previous licence.</p>	
Emissions general		<p>Conditions A4, A5, W1 S1 and W2 have not been included on the licence as they are covered under the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> and the General Provisions of the EP Act</p> <p>The risk profile for emissions from the premises has not changed therefore no additional conditions controlling emissions have been included on the licence.</p>	<p>L8419/2010/2</p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Point source emissions to air including monitoring	L2.1.1	<p>The risk profile from emissions to air from the premises has not changed therefore no additional conditions controlling emissions to air have been included on the licence.</p> <p>The premises has a number of point source emissions to air including six reverse pulse bag filters from grinding and finishing areas; one vacuum exhaust discharge of air or Argon filtered through oil; six gas fired burner exhaust stacks and one laboratory fume extractor via wet scrubber. These emissions points are listed in table 2.1.1 of the licence.</p> <p>Operation <u>Emission Description</u> <i>Emission:</i> Particulate matter, NOx and CO emissions from site operations including nickel iron and cobalt compounds from the melting and casting process.</p> <p><i>Impact:</i> Reduced local air quality. There is potential for localised short term reversible impacts such as nuisance dust impacts on neighbouring businesses that are less than 50m away. The premises is located in Canning Vale Industrial area and the nearest residence is approximately 350m away.</p> <p><i>Controls:</i> Baghouses are used to mitigate particulate emissions. The baghouses on the premises are maintained by an external contractor with bags being replaced during maintenance. In house checks are conducted monthly and there are pressure gauges installed on baghouses to detect when a bag has been broken or clogged.</p> <p><u>Risk Assessment</u></p>	<p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p>L8419/2010/2</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition 2.1.1 has been included to ensure emissions only occur as per conditions of the licence.</p> <p>Condition 1.2.1 has been included to ensure pollution control equipment (e.g.baghouses) and their monitoring systems are appropriately operated and maintained.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Moderate</p>	
Fugitive emissions	N/A	<p>As per the risk assessment below condition A4 and A5 from the previous licence have not been retained on the licence.</p> <p>Operation <u>Emission Description</u> <i>Emission:</i> Fugitive dust emissions from general site operations including stockpiles of used casting sand.</p> <p><i>Impact:</i> Reduced local air quality. The premises is located in Canning Vale Industrial area and the nearest residence is approximately 300m to the north of the premises.</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p>L8419/2010/2</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><i>Controls:</i> Trafficable and operational areas are hardstand with the process areas in an enclosed building. There are no other sources of fugitive dust as dust from baghouses is collected and stored in covered drums so it can be remelted or on-sold</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> No regulatory controls required as the general provisions of the EP Act will apply.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p>	
Odour	N/A	<p>Condition A2 from the previous licence has not been included in the licence as the operations are not likely to be odourous and are contained within a building.</p> <p>Operation <u>Emission Description</u> <i>Emission:</i> Fugitive odour emissions from general site operations including melting and casting of metals.</p> <p><i>Impact:</i> Reduced local air quality. The premises is located in Canning Vale Industrial area and the nearest residence is approximately 300m to the north of</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p>L8419/2010/2</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>the premises.</p> <p><i>Controls:</i> The operations are enclosed within a building and are not likely to generate odour emissions.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> No regulatory controls are required as the general provisions of the EP Act will apply.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Residual Risk Rating:</i> Low</p>	
Noise	N/A	DER does not believe the risk profile for noise has changed therefore no additional conditions controlling noise have been included on the licence. The <i>Environmental Protection (Noise) Regulations 1997</i> and condition 1.2.1 apply.	<p><i>Environmental Protection (Noise) Regulations 1997</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i></p>
Information	L3.1.1 L3.1.2	Condition 3.1.3 replaces condition G1 of the previous licence.	L8419/2010/2



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
	L3.1.3 L3.2.1 3.1.4	Condition 3.1.4 has been included on the licence to ensure that the licensee records all complaints received.	
Licence Duration	N/A	The Licence duration has been set at 2 years.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
11/01/2016	Application advertised in West Australian (or other relevant newspaper)	No comments received	NA
2/02/2016	Proponent sent a copy of draft instrument	Minor comments received	Decision Document and Licence updated as per proponents comments.

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