



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:** WAICE Pty Ltd

**Licence:** L7448/2000/11

**Registered office:** First Floor  
 160 Stir ling Highway  
 NEDLANDS WA 6009

**ACN:** 117 957 936

**Premises address:** WA Industrial Chrome Engineers  
 8 Raymond Avenue  
 BAYSWATER WA 6053  
 Being Lot 64 on Diagram 52048 as depicted in Schedule 1.

**Issue date:** Friday, 18 March 2016

**Commencement date:** Monday, 21 March 2016

**Expiry date:** Tuesday, 20 March 2029

**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
48	Metal finishing: premises on which metals are chemically cleaned or metals, plastics or metal or plastics products are plated, electroplated, anodized, coloured or otherwise coated or finished.	Not applicable	Not more than 100 tonnes per annual period

**Conditions**

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

Date signed: 18 March 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

WAICE Pty Ltd was established in 1985, and specialises in hydraulic cylinder overhauls. They operate 24 hours a day, 7 days a week in a 2800 m<sup>2</sup> premise in Bayswater. As well as hydraulic cylinder overhauls, the company also offers hard chrome plating, machine repairs, welding and honing services, grinding, and chrome stripping.

The hard chrome plating is carried out in four tanks that are contained in a 11.5 m long x 3.5 m deep x 2.4 m wide bunded area. Each of the 4 tanks is made of 3 mm steel plate and has liner inside to protect the steel from chrome solution.

Key emissions from the premise include chromic acid mist or fumes, process wastewater, emissions to stormwater and solid wastes (sludge). Fugitive air emissions are managed by a product named Fumetrol which is administered to the tanks automatically. Chroffles (float balls) are used to damp down the emissions as well. A caustic strip tank is located outside at the rear left of the building in a bunded area with an enclosed lid. Any overspill is pumped into drums provided by a third party and disposed off site

DER's assessment shows that emissions from the premises can be satisfactorily regulated using conditions of this licence and provisions of Part V of the *Environmental Protection Act 1986*. In accordance with DER's *Guidance Statement: Licence Duration, May 2015*, it is proposed to grant the licence until 20 March 2029.

The Licensee is reminded that, as noted in *DER Guidance Statement: Land Use Planning, October 2015*; DER acknowledges primacy of planning approvals over subsequent environmental approvals. The EP Act licence duration does not absolve the licensee from their duty to ensure activities undertaken on the premises are in accordance with relevant planning legislations.

This Licence is the successor to licence L7448/2000/10 and includes changes to conditions. The licences and works approvals issued for the Premises since 5/3/2003 are:

Instrument log		
Instrument	Issued	Description
L7448/2000/6	05/03/2003	Licence re-issue
L7448/2000/7	22/03/2004	Licence re-issue
L7448/2000/8	22/03/2005	Licence re-issue
L7448/2000/9	22/03/2006	Licence re-issue
L7448/2000/10	21/03/2011	Licence re-issue
L7448/2000/10	5/9/2013	Licence amendment to REFIRE format
L7448/2000/11	18/3/2016	This licence. Licence re-issue.



**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 to 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

At the following address:

Department Administering the *Environmental Protection Act 1986*

Locked Bag 33

CLOISTERS SQUARE WA 6850

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

**"fugitive emissions"** means all emissions not arising from point sources

**"impervious"** means material with a permeability or hydraulic conductivity of  $10^{-9}$  metres per second or less;

**'Licence'** means this Licence numbered L7448/2000/11 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;

**'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 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.
- 1.2.2 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
- 1.2.3 Licensee shall ensure that contaminated or potentially contaminated stormwater is not discharged from the premises.

## 1.3 Premises operation

- 1.3.1 The Licensee shall ensure that all metal finishing activities identified in Table 1.3.1 are undertaken in accordance with the specification in that Table.

<b>Material</b>	<b>Process</b>	<b>Specification</b>
Chromic acid	Hard chrome plating	Operate and maintain fume suppressant blanket and filtration infrastructure so that no visible emissions are emitted from the processing area.
Chromic acid and any other chemicals used in the process tanks	Hard chrome plating	Shall only take place in tanks located on impervious floor and within a bunded area.
Any chemicals used on the premises, process wastewater, fuel/hydrocarbons	Storage	Storage must occur in containers located in a bunded area which: (a) has permeability of $1 \times 10^{-9}$ m/s or less; (b) is designed to contain not less than 110% of the volume of the largest storage vessel or inter-connected system; (c) is graded or includes a sump to allow recovery of liquid; (d) is chemically resistant to the substances being stored; (e) is designed such that jetting from any storage vessel or fitting will be captured within the bunded area;
Sludge generated from the chrome plating process	Temporary storage prior to offsite disposal	(f) is controlled such that containment capacity of the bund is maintained; and (g) is designed such that chemicals which may react dangerously if they come into contact are stored in separate bunds in the same compound or in different compounds.



## 2 Information

### 2.1 Records

- 2.1.1 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 2.1.1(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 the condition of the land or waters.
- 2.1.2 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.
- 2.1.3 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 previous annual period.
- 2.1.4 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.

### 2.2 Reporting

- 2.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 31 calendar days after the end of the annual period. The report shall contain the information listed in Table 2.2.1 in the format or form specified in that table.

<b>Table 2.2.1: 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 and any environmental incidents that have occurred during the annual period and any action taken	None specified
2.1.3	Compliance	Annual Audit Compliance Report (AACR)
2.1.4	Complaints summary	None specified
-	Throughput in tonnes per year	Tabular format: monthly throughput and annual total

Note 1: Forms are in Schedule 2



## Schedule 1: Maps

### Premises map

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







## 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:	ABN:
Trading as:	
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*

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**Proponent:** **WAICE Pty Ltd**

**Licence:** **L7448/2000/11**

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**Registered office:** First Floor  
160 Stirling Highway  
NEDLANDS WA 6009

**ACN:** 117 957 936

**Premises address:** WA Industrial Chrome Engineers  
8 Raymond Avenue  
BAYSWATER WA 6053  
Being Lot 64 on Diagram 52048.

**Issue date:** Friday, 18 March 2016

**Commencement date:** Monday, 21 March 2016

**Expiry date:** Tuesday, 20 March 2029

### **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.

Decision Document prepared by:

Gargi Joshi  
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	<b>Category number(s)</b>	<b>Assessed design capacity</b>
	48	Not more than 100 tonnes per annual period
Application verified	Date: 21 January 2016	
Application fee paid	Date: 15 February 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		
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

WAICE Pty Ltd was established in 1985, and specialises in hydraulic cylinder overhauls. They operate 24 hours a day, 7 days a week in a 2800 m<sup>2</sup> premise in Bayswater. As well as hydraulic cylinder overhauls, the company also offers hard chrome plating, machine repairs, welding and honing services, grinding, and chrome stripping.

The hard chrome plating is carried out in four tanks that are contained in a 11.5 m long x 3.5 m deep x 2.4 m wide bunded area. Each of the 4 tanks is made of 3 mm steel plate and has a liner inside to protect the steel from chrome solution.

Key emissions from the premise include:

- chromic acid mist or fumes;
- process wastewater;
- emissions to stormwater; and
- solid wastes (sludge).

Fugitive air emissions are managed by a chemical called fumetrol which is administered to the tanks automatically. Chroffles (float balls) are used to damp down the emissions as well. A caustic strip tank is located outside at the rear left of the building in a bunded area with an enclosed lid. Any overspill is pumped into drums provided by a third party and disposed off site.

DER's assessment shows that emissions from the premises can be satisfactorily regulated using conditions of this licence and provisions of Part V of the *Environmental Protection Act 1986*. In accordance with DER's *Guidance Statement: Licence Duration, May 2015*, it is proposed to grant the licence until 20 March 2029.

The Licensee is reminded that, as noted in *DER Guidance Statement: Land Use Planning, October 2015*; DER acknowledges primacy of planning approvals over subsequent environmental approvals. The EP Act licence duration does not absolve the licensee from their duty to ensure activities undertaken on the premises are in accordance with relevant planning legislations.



## 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, L1.2.3, L1.3.1	<p>See DER's risk assessment and decision making for <i>Fugitive emissions</i>. <u>Emission Description (Normal Operation)</u> <i>Emission:</i> Spills, leaks of chemicals used in chrome plating activities, including chromic acid, caustic, during normal operation, storage or handling.</p> <p>DER's previous site visit at the premises in 2014 had identified potential for stormwater contamination due to improper storage of containers, inadequate bund capacity and the practice of discharging potentially contaminated stormwater from the premises. The Licensee had subsequently provided evidence to address non-compliances identified during inspection. Subsequently, an email from City of Bayswater, dated 13 July 2015, raised concern that bulk storage of chemicals, outside bunded areas, being undertaken at the rear of the premises could cause emissions to Bayswater Main Drain. DER records show past incidents of chrome spills on the premises that were subsequently cleaned up by the licensee.</p> <p><i>Impact:</i> The premises is located in an industrial area. Bayswater Drain is located immediately adjacent to the premises boundary. The Premises is located within City of Bayswater groundwater management area. Spills, leaks of chemicals may lead potential contamination of stormwater and downstream effects of surface water and groundwater if not contained.</p> <p><i>Control:</i> Chrome plating tanks are constructed of steel and include a liner to prevent corrosion of the metal. The tanks are located in a concrete bunded area, 11.5 m long x 3.5 m deep x 2.4 m wide. Spill kits are maintained on the premises. Process waste is</p>	Email from City of Bayswater- Environmental Health Mosquito Control Officer, dated 13 July 2015





DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>disposed offsite using controlled waste carriers.</p> <p><u>Risk Assessment</u>  <i>Consequence:</i> Moderate  <i>Likelihood:</i> Possible  <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u></p> <p>Condition 1.2.2 requires the licensee to immediately recover and dispose of any spills. Condition 1.2.3 requires that the licensee does not discharge contaminated or potentially contaminated stormwater from the premises.</p> <p>Condition 1.3.1 specifies that chrome plating should be undertaken in tanks located on impervious floor and within bunded area. Requirements for containment capacity of bunds is specified in Condition 1.3.1. The condition also requires that temporary storage of sludge occurs within impervious bunded area.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Moderate  <i>Likelihood:</i> Unlikely  <i>Risk Rating:</i> Moderate</p>	
<b>Premises operation</b>	L1.3.1	See DER's risk assessment and decision making for <i>General conditions</i> .	-
<b>Emissions general</b>	-	Descriptive or numeric limits have not been set in the licence. No conditions are included in this section.	N/A



<b>DECISION TABLE</b>			
<b>Works Approval / Licence section</b>	<b>Condition number W = Works Approval L= Licence</b>	<b>Justification (including risk description &amp; decision methodology where relevant)</b>	<b>Reference documents</b>
<b>Point source emissions to air including monitoring</b>	-	Hard chrome plating activity undertaken on the premises can result in emissions of chromic acid fumes or mist from the chrome plating baths. DER's site visit to the premises in 2014 did not identify presence of dedicated fume hood extraction system for the chrome plating operations. A fan extraction system has been installed in the processing area. Extracted air is filtered prior to discharge to air. See DER's risk assessment and decision making for <i>Fugitive emissions</i> .	Application supporting documentation
<b>Point source emissions to surface water including monitoring</b>	-	The premises does not have point source emissions to surface water. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-
<b>Point source emissions to groundwater including monitoring</b>	-	The premises does not have point source emissions to groundwater. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-
<b>Emissions to land including monitoring</b>	-	The premises does not have point source emissions to land. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Fugitive emissions	L1.3.1	<p><u>Emission Description (Normal Operation)</u>  <i>Emission:</i> Potential emissions of chromic acid mist and fumes from hard chrome processing tanks.  <i>Impact:</i> Chromic acid contains hexavalent chromium and its toxicity can present potential health impacts to operators if fugitive emissions are not appropriately controlled. The premises is located in an industrial area. Nearest residential receptors are located approximately 110 metres south-east of the premises boundary. There is potential for localised impact and public health concern if chromium fumes or mist is not adequately controlled.  <i>Control:</i> Fumetrol, an additive, is used as a fume suppressant in the chrome plating tanks. The proponent also uses Chroffles (polypropylene balls) on the surface of chrome plating tanks to minimise potential mist and fugitive emissions during operations. The processing area is ventilated.</p> <p><u>Risk Assessment</u>  <i>Consequence:</i> Minor  <i>Likelihood:</i> Likely  <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u>            Condition 1.3.1 from previous licence has been retained requiring that the licensee operates and maintains fume suppressant blanket and filtration infrastructure to prevent visible emissions from the processing area. Condition 1.2.1 has been retained requiring that pollution control equipment is operated and maintained as per manufacturer's specifications.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Minor  <i>Likelihood:</i> Unlikely  <i>Risk Rating:</i> Moderate</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>City of Bayswater, on 13 July 2015, notified DER of their concern regarding potential dust build up on the premises arising from mechanical activities associated with polishing the hydraulic rams and lathe works. DER has no record of dust complaints from receptors associated with activities on the premises.</p> <p>Activities specified above are not considered 'secondary or contributory' activities in accordance with DER's <i>Guidance Statement: Licensing and Works Approval processes, September 2015</i>. In accordance with the Guidance Statement, no conditions have been included on the licence regarding these activities. Potential health concerns for operators, associated with particulate emissions on the premises, are considered to be regulated under Occupational Safety and Health legislation.</p>	<p><i>DER Guidance Statement: Licensing and Works Approval processes, September 2015</i></p> <p>Email from City of Bayswater- Environmental Health Mosquito Control Officer, dated 13 July 2015</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Odour	-	<p>Previous licence L7482/2000/10 (amended 5 September 2013) included generic condition 2.7.1 for management of odour emissions. This condition has not been retained. See risk assessment and decision making details below.</p> <p><u>Emission Description (Normal Operation)</u>  <i>Emission:</i> Hard chrome plating process can result in emission of chromic acid mist or fumes. The premises also undertakes caustic stripping in a tank with a lid, located outside of the building.  <i>Impact:</i> The premises is located in an industrial area. Nearest residential receptors are located approximately 110 metres south-east of the premises boundary. Potential emissions from activities undertaken at the premises are not considered to be specifically odorous. Search of DER's complaints records system did not identify any odour related complaints from neighbouring residential or industrial areas.  <i>Control:</i> Fumetrol is used as fume suppressant along with Chroffles (polypropylene balls) to minimise emissions of fumes or mist from chrome plating tanks. Caustic stripping is undertaken in a tank with a lid.</p> <p><u>Risk Assessment</u>  <i>Consequence:</i> Insignificant  <i>Likelihood:</i> Rare  <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u>            General provisions of the <i>Environmental Protection Act 1986</i> can be used to manage any odour emissions from the premises.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Insignificant  <i>Likelihood:</i> Rare  <i>Risk Rating:</i> Low</p>	<i>Environmental Protection Act 1986</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Noise	-	<p><u>Emission Description (Normal Operation)</u>  <i>Emission:</i> Noise emissions associated with premises activities.  <i>Impact:</i> The premises is located in an industrial area. The Premises operates 24 hours a day and 7 days a week. Nearest residential receptors are located approximately 110 metres south-east of the premises boundary. Search of DER's complaints records system did not identify any noise related complaints from neighbouring residential or industrial areas.  <i>Control:</i> No specific controls have been identified in the application.</p> <p><u>Risk Assessment</u>  <i>Consequence:</i> Insignificant  <i>Likelihood:</i> Possible  <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u>            The licensee is required to comply with the assigned noise levels specified in Regulation 8 of the <i>Environmental Protection (Noise) Regulations 1997</i>.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Insignificant  <i>Likelihood:</i> Possible  <i>Risk Rating:</i> Low</p>	<i>Environmental Protection (Noise) Regulations 1997</i>
Monitoring general	-	Previous licence did not specify any conditions for general monitoring. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-
Monitoring of inputs and outputs	-	Previous licence did not specify any conditions for monitoring inputs/outputs. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-



<b>DECISION TABLE</b>			
<b>Works Approval / Licence section</b>	<b>Condition number W = Works Approval L= Licence</b>	<b>Justification (including risk description &amp; decision methodology where relevant)</b>	<b>Reference documents</b>
<b>Process monitoring</b>	-	Previous licence did not specify any conditions for process monitoring. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-
<b>Ambient quality monitoring</b>	-	Previous licence did not specify any conditions for ambient monitoring. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-
<b>Meteorological monitoring</b>	-	Previous licence did not specify any conditions for meteorological monitoring. DER has considered whether premises activities have changed since grant of previous licence. No new conditions are considered necessary.	-
<b>Improvements</b>	-	No improvement requirements have been specified on the licence.	-
<b>Information</b>	L2.1.1- L2.1.4 L2.2.1	Recordkeeping and reporting requirements specified on previous licence have been retained. The licensee is required to submit an Annual Audit Compliance Report and Annual Environmental Report and implement a complaints management system.	-
<b>Licence Duration</b>	-	DER's position on the primacy of planning decisions over subsequent environmental approvals is noted in <i>DER Guidance Statement: Land Use Planning, October 2015</i> .  City of Bayswater, on 10 March 2016, advised that the proposal is consistent with the City's <i>Town Planning Scheme No. 24</i> and that the development was approved for the use of factory on 29 September 1999. The City has confirmed that there is no objection to the proposed licence renewal and that no further planning approval is required.  In accordance with DER's Guidance Statement: <i>Licence duration, May 2015</i> the licence has been renewed for a longer duration with expiry date of 20 March 2029.	<i>DER Guidance Statement: Land Use Planning, October 2015</i>  <i>DER Guidance Statement: Licence duration, May 2015</i>  City of Bayswater advice dated 10 March 2016



## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
22/02/2016	Application advertised in West Australian (or other relevant newspaper)	No comments received.	Not applicable.
8/02/2016	Application referred to City of Bayswater	Comments received 10 March 2016. The City of Bayswater advice noted that the proposal is considered to be consistent with the City's Town Planning Scheme No.24 and that the development was approved for the use of factory on 29 Novemebr 1999. The City confirmed that there was no objection to the renewal of licence L7448.	In accordance with <i>DER Guidance Statement: Licence duration, May 2015</i> , duration of licence has been reviewed to grant a longer term licence.
10/3/2016	Proponent sent a copy of draft instrument	Comments received 11 March 2016. Proponent confirmed agreement with draft licence conditions.	No changes.





## 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