



Mr Roger Henley  
Manager  
Gulf Chrome Pty Ltd  
PO Box 2113  
MALAGA WA 6944

Dear Mr Henley

**ENVIRONMENTAL PROTECTION ACT 1986: LICENCE GRANTED**

**Premises:**

Auschrome Engineering  
Lot 1 on Diagram 60599 Alloo Road  
MADDINGTON WA 6109

**Licence Number:** L8352/2009/2

A licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment Regulation will advertise the issuing of this licence in the public notices section of *The West Australian* newspaper.

The licence includes attached conditions. Under section 58(1) of the Act, it is an offence to contravene a condition of a licence. This offence carries a penalty of up to \$125,000 and a daily penalty of up to \$25,000.

In accordance with section 102(1)(c) of the Act, you have 21 days to appeal the conditions of the licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at [admin@appealsconvenor.wa.gov.au](mailto:admin@appealsconvenor.wa.gov.au).

Where a licence is issued for more than one year it requires payment of an annual fee and will cease to have effect if the fee is unpaid. It is the occupier's responsibility to lodge a fee application and pay the annual fee in sufficient time to avoid incurring a late payment fee and for processing to be completed before the licence anniversary date.

If you have any queries regarding the above information, please contact Janet Pritchard on 9333 7449.

Yours sincerely

Ed Schuller  
Officer delegated under section 20  
of the *Environmental Protection Act 1986*

18 June 2015



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:** Gulf Chrome Pty Ltd

**Licence:** L8352/2009/2

**Registered office:** 18 Denninup Way  
MALAGA WA 6090

**ACN:** 117 663 993

**Premises address:** Auschrome Engineering  
Lot 1 on Diagram 60599 Alloo Road  
MADDINGTON WA 6109

**Issue date:** Thursday, 18 June 2015

**Commencement date:** Monday, 22 June 2015

**Expiry date:** Sunday, 21 June 2020

**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 plastic products are plated, electroplated, anodized, coloured or otherwise coated or finished.	Not applicable	200 tonnes per annual period

**Conditions**

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

.....  
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 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 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**

Gulf Chrome Pty Ltd T/A Auschrome Engineering operates a small electroplating operation in Maddington. The operation consists of chrome plating of hydraulic piston rods which are used for repairing hydraulic equipment at the Gulf Hydraulics premises in Malaga.

The premises is located within the Davison industrial area and is approximately 380 m from the nearest residential area. A major drain which enters Bickley Brook lies approximately 80m from the shed in which the prescribed activity occurs. The Canning River is located approximately 1 km south west of the premises.

The electroplating (chrome-plating) operation is undertaken in two tanks (1 x 6000L and 1 x 3000L capacity) contained within a below ground pit which is treated with a protective epoxy rubber coating that is chemically resistant to the process solution (hexavalent chromium solution). The tanks are reported to be constructed to *Australian Standard 1692 (2006) – Steel tanks for flammable and combustible liquids*. The tanks are located in an impermeable below ground bund that is sloped toward a collection sump. Any solution that collects in the sump is transferred to a sealed waste collection tank prior to being removed off site by a licensed controlled waste carrier for disposal.

The process also consists of the use of two strip trays (2700L capacity) for pre-treatment including solvent degreasing (acetone or kerosene) and alkali cleaning (caustic soda). Waste from this process is stored in bins and disposed of periodically by an external contractor. From the pre-treatment stage the rods are transferred to the acid etching tank (2700L capacity) containing 10% sulphuric acid, and then to a rinsing water tank (2700L capacity) prior to chrome plating. After this the rods are removed using a brushbar and loaded into the strip trays for washdown with water. The water from this process is recycled into the plating tank. The process operates as a closed loop with no wastewater discharge. Rods are transferred between tanks through the use of an overhead crane. Two emergency spill tanks with a capacity of 7000L and 5000L are also located on the premises.

Chemicals are not stored at the premises. A contractor loads the chemicals into the tank on arrival. A maximum of 150 kg of chromic acid solution is added to the solution each month.

Fluoro-based spray suppressant is used to create a foam blanket over the process solution reducing the ability of gases to escape from the solution. To further reduce evaporation poly balls are added to the tanks. Filtered air ventilation and extraction hoods are used to ventilate the building as a tertiary precaution against air emissions.

A licensed controlled waste carrier removes all liquid waste from the premises.



DER has converted the licence into the standardised REFIRE format. During the conversion process, DER has not re-assessed the acceptability or impacts of emissions and discharges from the Premises or re-visited any existing emission control levels.

This Licence is the successor to licence L8352/2009/1 and has been converted into REFIRE format.

The licences and works approvals issued for the Premises since 24 June 2010 are:

Instrument log		
Instrument	Issued	Description
L8352/2009/1	24/06/2010	New application
L8352/2009/2	18/06/2015	Licence re-issued in REFIRE 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 July until 30 June in the following year;

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

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

Manager - Licensing (Process industries)  
Department of Environment Regulation  
Locked Bag 33  
CLOISTERS SQUARE WA 6850  
Telephone: (08) 9333 7510  
Facsimile: (08) 9333 7550  
Email: industry.regulation@der.wa.gov.au;

**'code of practice for the storage and handling of dangerous goods'** means the document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

**'dangerous goods'** has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

**'environmentally hazardous material'** means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;

**'fugitive emissions'** means all emissions not arising from point sources.

**'hardstand'** means a surface with a permeability of  $10^{-9}$  metres/second or less;

**'Licence'** means this Licence numbered L8352/2009/2 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; and



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

- 1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.
- 1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

## **1.2 General conditions**

- 1.2.1 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.
- 1.2.2 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.
- 1.2.3 The Licensee shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.
- 1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
- 1.2.5 The Licensee shall implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises.

## **1.3 Premises operation**

The licensee shall operate and maintain the plating tanks, fume suppressant blankets and filtration infrastructure so that no visible emissions are emitted from the stack or doors of the premises building.



## 2 Emissions

There are no specified conditions relating to emissions in this section.

## 3 Monitoring

There are no specified conditions relating to monitoring in this section.

## 4 Improvements

There are no specified improvement conditions in this section.

## 5 Information

### 5.1 Records

5.1.1 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 5.1.1(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.

5.1.2 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.

5.1.3 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.

5.1.4 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.

### 5.2 Reporting

5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 45 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.



Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form <sup>1</sup>
-	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
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

### 5.3 Notification

5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution	Part A: As soon as practicable but no later than 5pm of the next usual working day.  Part B: As soon as practicable	N1

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: 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.

**Lot 1 (25B) on Diagram 60599 Alloo Rd, Maddington**





## 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 B

### DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each Licence condition that was not complied with.

a) Licence condition not complied with:	
b) Date(s) when the non compliance occurred, if applicable:	
c) Was this non compliance reported to DER?:	
<input type="checkbox"/> Yes <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 the 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:	

Each page must be initialled by the person(s) who signs Section C of this 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: \_\_\_\_\_

NAME:  
(printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

SEAL (if signing under seal)

SIGNATURE: \_\_\_\_\_

NAME:  
(printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_



Licence: L8352/2009/2  
Form: N1

Licensee: Gulf Chrome Pty Ltd  
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	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
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	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	



## Part B

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 previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Gulf Chrome Pty Ltd	
Date	



# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:** Gulf Chrome Pty Ltd

**Licence:** L8352/2009/2

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**Registered office:** 18 Denninup Way  
MALAGA WA 6090

**ACN:** 117 663 993

**Premises address:** Auschrome Engineering  
Lot 1 on Diagram 60599 Alloo Road  
MADDINGTON WA 6109

**Issue date:** Thursday, 18 June 2015

**Commencement date:** Monday, 22 June 2015

**Expiry date:** Sunday, 21 June 2020

### 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 that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Janet Pritchard  
Licensing Officer

Decision Document authorised by: Ed Schuller  
Senior Manager – Licensing (Process Industries)



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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.

### Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

#### Standard conditions (SC)

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

#### Optional standard conditions (OSC)

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions is justified in Section 4 of this document.

#### Non standard conditions (NSC)

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in Section 4.



## 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
	48	200 tonnes per annum
Application verified	Date: 07/05/2015	
Application fee paid	Date: 19/05/2015	
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"/>	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 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 and assessment

Gulf Chrome Pty Ltd T/A Auschrome Engineering operates a small electroplating operation in Maddington. The operation consists of chrome plating of hydraulic piston rods which are used for repairing hydraulic equipment at the Gulf Hydraulics premises in Malaga.

The premises is located within the Davison industrial area and is approximately 380 m from the nearest residential area. A major drain which enters Bickley Brook lies approximately 80m from the shed in which the prescribed activity occurs. The Canning River is located approximately 1 km south west of the premises.

The electroplating (chrome-plating) operation is undertaken in two tanks (1 x 6000L and 1 x 3000L capacity) contained within a below ground pit which is treated with a protective epoxy rubber coating that is chemically resistant to the process solution (hexavalent chromium solution). The tanks are reported to be constructed to *Australian Standard 1692 (2006) – Steel tanks for flammable and combustible liquids*. The tanks are located in an impermeable below ground bund that is sloped toward a collection sump. Any solution that collects in the sump is transferred to a sealed waste collection tank prior to being removed off site by a licensed controlled waste carrier for disposal.

The process also consists of the use of two strip trays (2700L capacity) for pre-treatment including solvent degreasing (acetone or kerosene) and alkali cleaning (caustic soda). Waste from this process is stored in bins and disposed of periodically by an external contractor. From the pre-treatment stage the rods are transferred to the acid etching tank (2700L capacity) containing 10% sulphuric acid, and then to a rinsing water tank (2700L capacity) prior to chrome plating. After this the rods are removed using a brushbar and loaded into the strip trays for washdown with water. The water from this process is recycled into the plating tank. The process operates as a closed loop with no wastewater discharge. Rods are transferred between tanks through the use of an overhead crane. Two emergency spill tanks with a capacity of 7000L and 5000L are also located on the premises.

Chemicals are not stored at the premises. A contractor loads the chemicals into the tank on arrival. A maximum of 150 kg of chromic acid solution is added to the solution each month.

Fluoro-based spray suppressant is used to create a foam blanket over the process solution reducing the ability of gases to escape from the solution. To further reduce evaporation poly balls are added to the tanks. Filtered air ventilation and extraction hoods are used to ventilate the building as a tertiary precaution against air emissions.

A licensed controlled waste carrier removes all liquid waste from the premises.

DER has converted the licence into the standardised REFIRE format. This Decision Document demonstrates how licence conditions from the previous licence have been transferred into the new format. During the conversion process, DER has not re-assessed the acceptability or impacts of emissions and discharges from the Premises or re-visited any existing emission control levels.



## 4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DEC's Policy Statement - Limits and targets for prescribed premises (2006), 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	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L 1.2.1 - L 1.2.4 L 1.2.5	OSC	SC 1.2.3 replaces condition 2, condition 3(a) and condition 3(b) of the previous licence. SC 1.2.4 replaces condition 3(c) of the previous licence. OSC 1.2.5 covers the intent of condition 4 of the previous licence.	Application supporting documentation
Premises operation	L 1.3.1	NSC	NSC 1.3.1 replaces condition 1 of the previous licence.	
Emissions general	N/A	N/A	There are no general emission conditions.	
Point source emissions to air including monitoring	N/A	N/A	There are no point source emissions to air from the premises that require regulation through this section. SC 1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges)</i>
Point source emissions to surface water including monitoring	N/A	N/A	There are no point source emissions to surface water from the premises.	

# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Point source emissions to groundwater including monitoring	N/A	N/A	There are no point source emissions to groundwater from the premises.	
Emissions to land including monitoring	N/A	N/A	There are no point source emissions to land from the premises.	
Fugitive emissions	N/A	N/A	Fugitive emissions have not been reassessed as part of this licence re-issue. As the previous licence did not impose controls on fugitive emissions, no specified conditions have been included in this section.	General provisions of the <i>Environmental Protection Act 1986</i>
Odour	N/A	N/A	Odour has not been reassessed as part of this licence re-issue. As the previous licence did not impose controls on odour, no specified conditions have been included in this section. SC 1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> .
Noise	N/A	N/A	Noise has not been reassessed as part of this licence re-issue. As the previous licence did not impose controls on noise, no specified conditions have been included in this section. The <i>Environmental Protection (Noise) Regulations 1997</i> and SC 1.2.1 apply.	<i>Environmental Protection (Noise) Regulations 1997</i>  General provisions of the <i>Environmental Protection Act 1986</i>
Monitoring general	N/A	N/A	There is no requirement for general monitoring conditions.	



## DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Monitoring of inputs and outputs	N/A	N/A	Monitoring of input and output requirements have not been reassessed as part of this licence re-issue. As the previous licence did not require monitoring of inputs and outputs no specified conditions have been included in this section.	
Process monitoring	N/A	N/A	Process monitoring requirements have not been reassessed as part of this licence re-issue. As the previous licence did not require process monitoring no specified conditions have been included in this section.	
Ambient quality monitoring	N/A	N/A	Ambient monitoring requirements have not been reassessed as part of this licence re-issue. As the previous licence did not require ambient quality monitoring no specified conditions have been included in this section.	
Meteorological monitoring	N/A	N/A	Meteorological monitoring requirements have not been reassessed as part of this licence re-issue. As the previous licence did not require meteorological monitoring no specified conditions have been included in this section.	
Improvements	N/A	N/A	There are no Improvement Conditions required.	
Information	L5.1.1- L5.1.4 L5.3.1	OSC	SC 5.1.3 replaces condition 6 of the current licence. OSC 5.3.1 replaces condition 3(d) of the previous licence.	
Licence Duration	N/A	N/A	The Licence duration is 5 years which is consistent with the previous licence version.	

## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
22/06/15	Application advertised in West Australian (or other relevant newspaper)	Nil received	
N/A	Proponent sent a copy of draft instrument	Straight conversion to REFIRE format with REFIRE standard conditions and transferred conditions from previous licence for the re-issue.	



## 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