



Government of **Western Australia**  
Department of **Environment Regulation**

Your ref L7738/2000/9  
Our ref DEC1113  
Enquiries Jamie Piotrowski  
Phone 9725 4300  
Fax 9725 4351  
Email [Jamie.Piotrowski@der.wa.gov.au](mailto:Jamie.Piotrowski@der.wa.gov.au)

The Manager  
Water Corporation  
PO Box 100  
LEEDERVILLE WA 6902

Dear Sir/Madam

**ENVIRONMENTAL PROTECTION ACT 1986 – LICENCE L7738/2000/9**  
**Margaret River WWTP**  
**StateForest No. 56, Cnr Long and Tare Roads**  
**BRAMLEY WA 6285**

Your application for a licence under Part V of the *Environmental Protection Act 1986* for the above premises has been issued subject to the attached conditions. Enclosed is your licence number **L7738/2000/9**.

If you are concerned about, or object to any of the conditions you may lodge an appeal with the Minister for the Environment within 21 days from the date on which this licence is received. The Office of the Appeals Convenor can be contacted on 6467 5190 to find out the procedure and fee.

Members of the public may also appeal the licence. The Appeals Registrar at the Office of the Appeals Convenor can be contacted after the closing date of appeals to check whether any appeals were received.

Under Section 58 of the *Environmental Protection Act 1986*, it is an offence to contravene a licence condition. This offence carries a penalty of up to \$125,000, with a daily penalty of up to \$25,000.

If you have any questions relating to the licence or licence conditions, please contact Jamie Piotrowski on 9725 4300.

Yours sincerely

Mark Whiteley  
Officer delegated under Section 20  
of the *Environmental Protection Act 1986*

24 October 2013

enc:

copy to: Local Government Authority: Shire of Augusta-Margaret River  
Department of Health WA

Handwritten text at the top of the page, possibly a header or title.

Second block of handwritten text, appearing as a paragraph.

Third block of handwritten text, continuing the narrative or list.

Fourth block of handwritten text, showing further detail.

Fifth block of handwritten text, possibly a concluding paragraph.

Bottom section of the page with additional handwritten text.

**WESTERN AUSTRALIA**  
**DEPARTMENT OF ENVIRONMENT REGULATION**  
*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

**NAME AND ADDRESS OF OCCUPIER:**

Water Corporation  
PO Box 100  
LEEDERVILLE WA 6902

**NAME AND LOCATION OF PREMISES:**

Margaret River Wastewater Treatment Plant  
Forest Lease 2112/97, StateForest No. 56, Cnr Long & Tare Roads  
BRAMLEY WA 6285

---

***Environmental Protection Regulations 1987***  
**CLASSIFICATION(S) OF PREMISES:**

Category 54 : Sewage facility

Category 61: Liquid waste facility

---

**COMMENCEMENT DATE OF LICENCE:** Friday, 1 November 2013

**EXPIRY DATE OF LICENCE:** Monday, 31 October 2016

---

**CONDITIONS OF LICENCE:**

As described and attached:

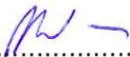
**DEFINITIONS**

GENERAL CONDITION(S) 2

WATER POLLUTION CONTROL CONDITION(S) 11

SOLID WASTE CONTROL CONDITION(S) 3

ATTACHMENT(S) 2

  
.....  
Officer delegated under Section 20  
of the *Environmental Protection Act 1986*

Date of Issue: Thursday, 24 October 2013

1911-12-10

1911-12-11

1911-12-12

1911-12-13

1911-12-14

1911-12-15

1911-12-16

1911-12-17

1911-12-18

1911-12-19

1911-12-20

1911-12-21

1911-12-22

1911-12-23

1911-12-24

1911-12-25

1911-12-26

1911-12-27

1911-12-28

1911-12-29

1911-12-30

1911-12-31

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

**PREAMBLE**

**Applicability**

This licence is issued to the Water Corporation for the Margaret River Wastewater Treatment Plant located on Forest Lease 2112/97, State Forest No. 56, Cnr Long & Tare Roads, Bramley (as depicted in Attachment 1), which includes, but is not necessarily limited to, the following operations:

- An intermittently decanting extended aeration (IDEA) plant which treats water to an advanced secondary standard;
- Alum dosing to remove phosphorus;
- Mechanical dewatering (belt press) of sludge; and
- Storage of treated wastewater and re-use irrigation on DER plantations.

The design and construction of the storage dam is such that any seepage from the pond into the underlying soil will need to pass through the clay embankment in the dam wall. The licensee will monitor any seepage from this clay embankment on an on-going basis. Should volumes of seepage become significant, or the quality of seepage water exhibits elevated levels of nutrients, the licensee will be expected to investigate means of collecting and returning this water to the storage dam.

This facility is prescribed within Schedule 1 of the *Environmental Protection Regulations 1987* as outlined in Table 1;

**Table 1: Category under which Margaret River WWTP is prescribed.**

Category	Category name	Description
54	Sewage facility	Premises (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.
61	Liquid waste facility	Premises on which liquid waste produced on other Premises (other than sewage waste) is stored, reprocessed, treated or irrigated.

Under the *Environmental Protection (Controlled Waste) Regulations 2004*, the licensee is only permitted to accept the following tankered controlled wastes at the Premises:

- (i) biological wastes (categories 1.02 and 1.05)

**Licensed Throughput**

The nominal rated throughput of the Premises covered by this licence is as follows:

- Quantity of wastewater treated 1500 cubic metres per day
- Quantity of liquid waste accepted 1000 tonnes per year

**Treatment Plant Performance**

The Director expects that the licensee operate the IDEA plant to achieve the following target discharge contaminant concentration:

- (a) Biochemical Oxygen Demand less than 20 mg/L;
- (b) Total Suspended Solids less than 30 mg/L
- (c) Total Nitrogen less than 10 mg/L; and
- (d) Total Phosphorus less than 1 mg/L.

**WESTERN AUSTRALIA**

**DEPARTMENT OF ENVIRONMENT REGULATION**

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

**CONDITIONS OF LICENCE**

**DEFINITIONS**

In these conditions of licence, unless inconsistent with the text or subject matter:

'AS/NZS 5667' means the current version of Australian Standard / New Zealand Standard 5667 – Water quality – Sampling;

"Director" means Director, Environmental Regulation Division of the Department of Environment Regulation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the *Environmental Protection Act 1986*;

"Director" and "Department of Environment Regulation" for the purpose of correspondence means-

Department of Environment Regulation

South West Regional Office

PO Box 1691

BUNBURY WA 6231

Telephone: 9725 4300

Facsimile: 9725 4351

Email: [southwestregion.industryregulation@der.wa.gov.au](mailto:southwestregion.industryregulation@der.wa.gov.au);

"IDEA" means "Intermittent Decanting Extended Aeration";

"inform" and "advise" means inform or advise by telephone, e-mail or facsimile;

"licensee" means the Water Corporation;

"m<sup>3</sup>/day" and "mg/L" means cubic metres per day and milligrams per litre, respectively; and

"premises" means Margaret River Wastewater Treatment Plant, Forest Lease 2112/97, State Forest 56, Bramley WA, Cnr Long & Tare Roads (as depicted in Attachment 1)

## WESTERN AUSTRALIA

### DEPARTMENT OF ENVIRONMENT REGULATION

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

#### GENERAL CONDITIONS

##### MONITORING AND REPORTING

- G1 The licensee shall provide to the Director, by **1 September each year**, an Annual Monitoring Report containing data collected over the previous financial year (**1 July to 30 June**). The report shall contain but not be limited to:
- (i) monitoring data or other collected data required by any condition of this licence;
  - (ii) an assessment of the data against any limits set or other environmental guidelines, targets or policies referred to in this licence and data from previous years' monitoring;
  - (iii) a summary of any data exceeding those limits, guidelines, targets or policies including information on why the exceedance occurred (if known) and action taken by the licensee to prevent recurrence of such exceedances.
  - (iv) a summary of the number and type of complaints received;
  - (v) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution; and
  - (vi) a list of any monitoring methods used to collect and analyse data required by any condition of this licence to demonstrate they comply with the methods specified in this licence.
- G2 The licensee shall by 1 September in each year, provide to the Director an annual audit compliance report in the form of Attachment 2 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the premises, during the period beginning 1 July the previous year and ending on 30 June in that year.

#### WATER POLLUTION CONTROL CONDITIONS

##### MAINTENANCE OF WASTEWATER TREATMENT PLANT

- W1(a) The licensee shall:
- (i) prevent stormwater runoff from entering the wastewater treatment stream, potentially overloading the hydraulic capacity of the plant;
  - (ii) prevent the uncontrolled loss of wastewater from the IDEA plant, through seepage, overtopping or by any other method;
  - (iii) remove and prevent floating debris and vegetation (emergent or otherwise) from within the IDEA plant wastewaters and/or within the storage dam;
  - (iv) direct all treated wastewater through the decant infrastructure in the final treatment tank to the storage dam; and
  - (v) re-use treated wastewater from the storage dam at the on-site woodlot and other approved Shire uses.

##### FLOW MONITORING DEVICE

- W2(a) The licensee shall maintain metering devices for measuring **monthly cumulative volumes** of wastewater treated by the wastewater treatment plant, discharged to the storage dam and to the woodlot irrigation area and to the Margaret River Town site for reuse. The monthly flow results shall be presented in the next annual monitoring report in a tabular format in m<sup>3</sup>/day.



# WESTERN AUSTRALIA

## DEPARTMENT OF ENVIRONMENT REGULATION

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

W2(b) The licensee shall maintain suitable devices to measure **monthly cumulative** flow through the embankment and the upper part of the dam foundation (in m<sup>3</sup>/day).

### ENVIRONMENTAL MONITORING PROGRAMME

W3 The licensee shall maintain monitoring bores designated **GW1, GW3, GW4 and GW5**, at the locations depicted in Attachment 1, to allow representative water samples to be collected.

W4(a) The licensee shall take and have analysed, representative water samples from Table 1 at the monitoring sites shown in Column 1, at the frequency shown in Column 2 for the parameters shown in Column 3:

Column 1	Column 2	Column 3
Monitoring sites	Frequency	Parameter
Treatment plant to Storage Dam.	<b>Monthly</b>	pH, Total Dissolved Solids calculated from Electrical Conductivity, Total Suspended Solids, 5-Day Biochemical Oxygen Demand, Total Nitrogen, Ammonium-Nitrogen, Nitrate + Nitrite-Nitrogen, Total Phosphorus and <i>Escherichia coli</i>
<u>Downstream of the Storage Dam</u> – Sites SW2, SW3, SW4, SW5 & SW6	<b>Monthly</b>	Total Nitrogen, Total Phosphorus and <i>Escherichia coli</i> .
<u>Groundwater Bores</u> GW1, GW3, GW4 and GW5	<b>Quarterly</b> (nominally October, January, April and July)	pH, Total Dissolved Solids, Total Nitrogen, Ammonium-nitrogen, Nitrate + Nitrite-nitrogen and Total Phosphorus.

Table 1: With the exception of pH and *Escherichia coli*, all measurements are to be reported in mg/L.

W4(b) The licensee shall measure the Standing Water Level in metres AHD (Australian Height Datum) in monitoring bores GW1, GW3, GW4 and GW5, **quarterly**.

### SAMPLE ANALYSIS

W5(a) The licensee shall collect all water samples in accordance with the relevant parts of Australian Standard 5667.

W5(b) The licensee shall submit all water samples to a laboratory with current NATA accreditation for the analyses specified, and analysed in accordance with the current "Standard Methods for Examination of Water and Wastewater-APHA-AWWA-WEF".

### CALCULATION OF CONTAMINANT LOAD

W6 The licensee shall determine the monthly load of each contaminant in the effluent discharged from the treatment plant (except pH and *Escherichia coli*) using flow-weighted data. The loads shall be based on the water discharge rate and the concentration as measured in accordance with condition W2(a) and W4(a). Monthly



WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

and annual average loads of the contaminants shall be reported in the annual monitoring report in kilograms per day.

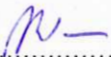
**MANAGEMENT OF WASTEWATER IRRIGATION AREAS**

- W7(a) The licensee shall dispose of all treated wastewaters by irrigation such that;
- (i) wastewater is evenly distributed over the irrigation area;
  - (ii) soil erosion or ponding of wastewaters is minimised;
  - (iii) a healthy vegetation cover is maintained over the irrigation areas;
  - (iv) there is no direct runoff, spray drift or discharge beyond the boundaries of the licensed premise;
  - (v) irrigation shall not occur within 50 metres of any defined watercourse or drain; and
  - (vi) irrigation shall be minimised during periods of rainfall or onto flooded areas.
- W7(b) The licensee shall manage the on-site irrigation area to ensure that the nutrient loading rate does not exceed the following;
- (i) Nitrogen - less than 90 kilograms per hectare per year; and
  - (ii) Phosphorus - less than 15 kilograms per hectare per year.

**SOLID WASTE POLLUTION CONTROL CONDITIONS**

**SLUDGE MANAGEMENT AND DISPOSAL**

- S1(a) The licensee shall dispose of collected grit and screenings from the inlet works to a licensed landfill.
- S1(b) The licensee shall:
- (i) inform the Director prior to taking a treatment cell offline for maintenance works;
  - (ii) direct leachate from the belt press to the IDEA plant;
  - (iii) direct sewage sludge temporarily stored on-site to a hard-stand area or approved drying bed which;
    - (a) is adequately bunded to prevent surface runoff of leachate or sludge from crossing the boundary of the Premises;
    - (b) returns leachate from the storage area back to the IDEA plant
- S1(c) The licensee shall dispose of sludge and biosolids in accordance with the document *Western Australian Guidelines Biosolids Management*, Department of Environment and Conservation (December, 2012).

  
.....  
Officer delegated under Section 20  
of the *Environmental Protection Act 1986*



WESTERN AUSTRALIA

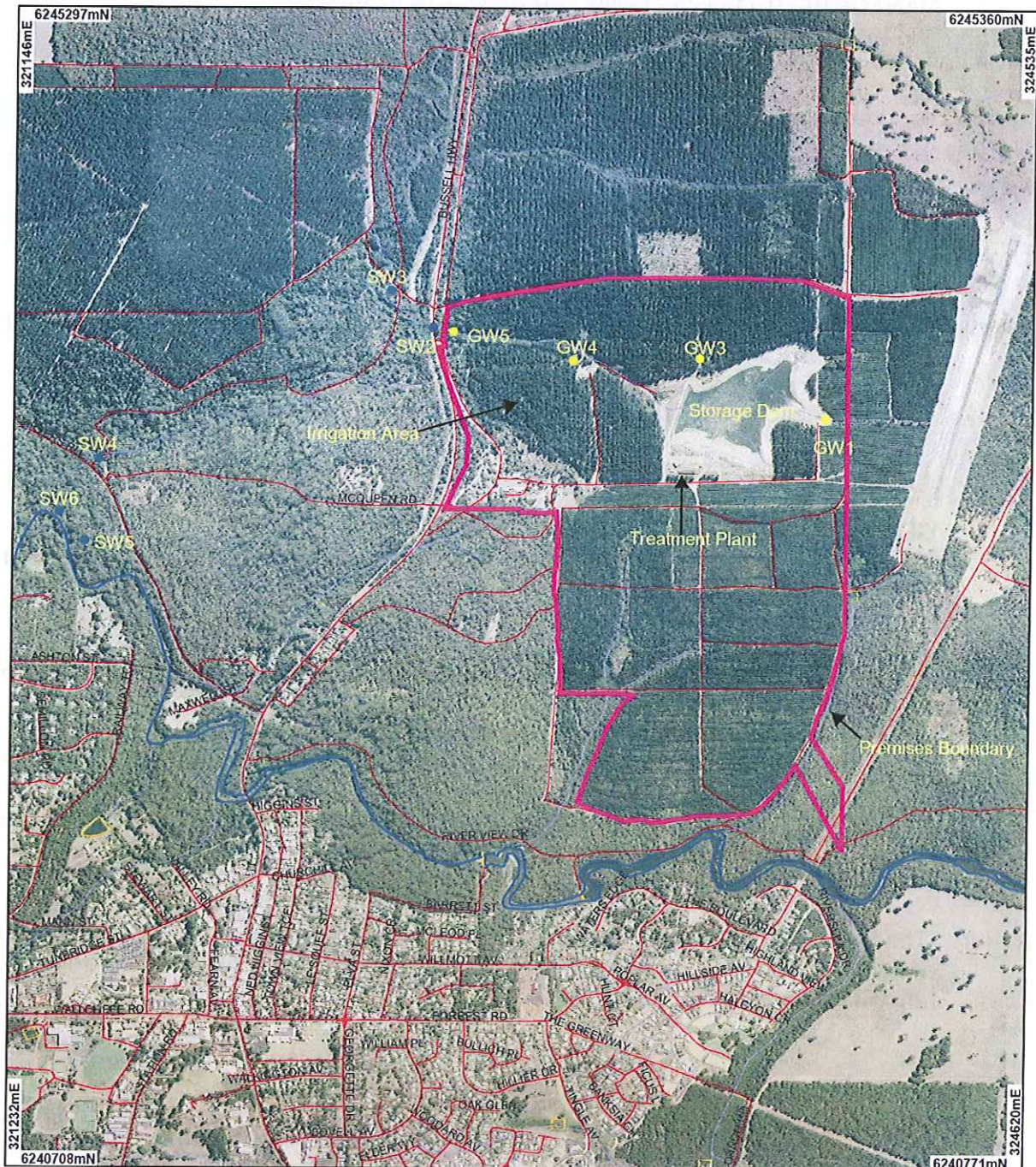
DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

LICENCE NUMBER: L7738/2000/9

FILE NUMBER: DEC1113

Attachment 1 – Plan of Premises



**WESTERN AUSTRALIA**

**DEPARTMENT OF ENVIRONMENT REGULATION**

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

**ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT**

**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 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: \_\_\_\_\_



WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

**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 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: \_\_\_\_\_

## WESTERN AUSTRALIA

### DEPARTMENT OF ENVIRONMENT REGULATION

*Environmental Protection Act 1986*

**LICENCE NUMBER: L7738/2000/9**

**FILE NUMBER: DEC1113**

### SECTION C - SIGNATURE AND CERTIFICATION

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

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

**I/We declare that the information in this 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)

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY

CHICAGO, ILLINOIS

TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO

AND TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO