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

Your ref L6792/1991/12
Our ref 2010/006715
Enquiries Nanette Schapel
Phone 9333 7486
Fax 9333 7510
Email nanette.schapel@der.wa.gov.au

Mr Gordon Groth
Water Corporation
PO Box 100
LEEDERVILLE WA 6902

Dear Mr Groth

***ENVIRONMENTAL PROTECTION ACT 1986*: LICENCE GRANTED**
**Premises**
Boddington Wastewater Treatment Plant
Lot 100 on Plan73309 Soldiers Road, Boddington WA 6390
**Licence Number: L6792/1991/12**

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.

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 Nanette Schapel on 9333 7486.

Yours sincerely

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

24 October 2013

The Atrium, 168 St Georges Terrace, Perth WA 6000
Phone (08) 6467 5000 Fax (08) 6467 5562
Postal Address: Locked Bag 33, Cloisters Square, Perth WA 6850
www.der.wa.gov.au

**WESTERN AUSTRALIA**

**DEPARTMENT OF ENVIRONMENT REGULATION**

*Environmental Protection Act 1986*

**LICENCE**

**LICENCE NUMBER: L6792/1991/12** **FILE NUMBER: 2010/006715**

**NAME AND ADDRES OF OCCUPIER:**
Water Corporation
629 Newcastle Street
LEEDERVILLE WA 6007

**NAME AND LOCATION OF PREMISES:**
Boddington Wastewater Treatment Plant
Lot 100 on Plan 73309 Soldiers Road
BODDINGTON WA 6390
(as depicted in Attachment 1).

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

Category 54: Sewage facility

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

**EXPIRY DATE OF LICENCE:** Wednesday, 31 October 2018

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**CONDITIONS OF LICENCE:**
As described and attached:

DEFINITION(S) (10)
GENERAL CONDITION(S) (2)
WATER POLLUTION CONTROL CONDITION(S) (5)
SOLID WASTE POLLUTION CONTROL CONDITION(S) (1)
ATTACHMENT(S) (2)

.....

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

Date of Issue: Thursday, 24 October 2013

**WESTERN AUSTRALIA**

**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

*Environmental Protection Act 1986*

**LICENCE NUMBER: L6792/1991/12** **FILE NUMBER: 2010/006715**

# CONDITIONS OF LICENCE

## DEFINITIONS

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

"APHA-AWWA-WEF' means American Public Health; American Water Works Association; Water Environment Federation;

"Australian Standard 5667" means the most recent version and relevant part of *AS/NZS 5667;*

"BOD" means five-day filtered biochemical oxygen demand;

"Director" means the Director of the 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" for the purpose of correspondence and advice means:
Regional Leader, Industry Regulation, Swan Region
Department of Environment Regulation
Locked Bag 33 Telephone: (08) 9333 7510
CLOISTERS SQUARE WA 6850 Facsimile: (08) 9333 7500;

*"E.coli"* means *Escherichia coli*;

"Extreme Rainfall Event" means a 1 in 10 year rainfall event of 72-hour duration;

"Final Pond Overflow Pipe" means the emergency overflow outlet as depicted in Attachment 1;

"Hardstand" means a permeability of $10^{-9}$ metres per second or less;

"mg/L" mean milligrams per litre; and

"NATA" means National Association of Testing Authorities; and

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

## GENERAL CONDITIONS

MONITORING AND REPORTING

G1 The licensee shall provide to the Director, on **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:

(i) monitoring data or other collected data required by any condition of this licence;

(ii) an explanation of the monitoring results with respect to the environmental impacts of the project;

(iii) the number and type of complaints received including general location of complainant (eg. street name, suburb, 1 km east of premises), nature of complaint (where appropriate cross referenced with prevailing wind directions) and action taken; and

(iv) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.

ANNUAL AUDIT COMPLIANCE REPORT

G2 The licensee shall by **1 September** in each year, provide to the Director an annual audit compliance report in the form in 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 PONDS

W1 The licensee shall manage the wastewater treatment ponds in a manner such that:

(i) uncontaminated stormwater runoff resulting from roof and site drainage shall not enter the wastewater treatment ponds or cause the erosion of outer pond embankments;

(ii) overtopping of the treatment ponds shall not occur except as a result of an Extreme Rainfall Event;

(iii) trapped overflows are maintained between ponds to prevent floating debris passing onto subsequent ponds;

(iv) there is no discernible seepage loss from the ponds; and

(v) vegetation and floating debris (emergent or otherwise) shall be prevented from encroaching onto pond surfaces or inner pond embankments.

FLOW MONITORING DEVICE

W2 The licensee shall maintain suitable devices for measuring monthly cumulative volumes of treated wastewater discharged from the final wastewater treatment pond (as depicted in Attachment 1). The monthly flow results shall be presented in the next annual monitoring report in a tabular form.

WASTEWATER DISPOSAL

W3(a) The licensee shall discharge all treated wastewater from the final wastewater treatment pond via the direct transfer pipeline to the Boddington Gold Mine.

W3(b) During times of emergency, the licensee may discharge treated wastewater through the Final Pond Overflow Pipe.

SAMPLING REQUIREMENTS

W4 The licensee shall collect representative groundwater samples from the monitoring sites specified in Column 1, at the frequencies specified in Column 2 and analysed for the parameters specified in Column 3 of Table 2:

**Table 2: Water Monitoring Requirements.**

| Column 1 | Column 2 | Column 3 |
|---|---|---|
| **Monitoring Sites** | **Sampling Frequency** | **Parameters to be measured**** |
| Discharge pipe for the final treatment pond (as depicted in Attachment 1) | Three monthly | pH, BOD, total suspended solids, total dissolved solids, total nitrogen, total phosphorus and *E.coli* |
| Monitoring Bores 01/08 (B), 02/08 (E), 03/08 (D), 04/08 (C) and 05/08 (F) (as depicted in Attachment 1) | Six monthly | pH, total dissolved solids or conductivity, total nitrogen and total phosphorus |

**With the exception of pH and *E.coli,* where the latter *is* to be reported in counts per 100 millilitres, all measurements are to be reported in mg/L. The results shall be presented in the annual monitoring report.

GENERAL MONITORING REQUIREMENTS

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

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

## SOLID WASTE POLLUTION CONTROL CONDITIONS

POND AND SOLIDS MANAGEMENT

S1 The licensee shall ensure that any temporary storage sewage sludge on the premises is on a Hardstand area which:

(i) is adequately bunded to prevent surface runoff of leachate or sludge from crossing the boundary of the premises; and

(ii) returns sludge leachate from the storage area back to the treatment ponds.

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

Date of Issue: Thursday, 24 October 2013

**ATTACHMENT 1 – PLAN OF PREMISES – boundary is yellow line**

**WESTERN AUSTRALIA**

**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

*Environmental Protection Act 1986*

**LICENCE NUMBER: L6792/1991/12 FILE NUMBER: 2010/006715**

**ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT**

# SECTION A

## LICENCE DETAILS

| | |
|---|---|
| Licence Number: | Licence File Number: |
| Company Name:<br><br>Trading as: | ABN: |
| Reporting period:<br><br>_____ 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 AND CONSERVATION**

*Environmental Protection Act 1986*

**LICENCE NUMBER: L6792/1991/12** **FILE NUMBER: 2010/006715**

# 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 DEC? | |
| ☐ Yes ☐ Reported to DEC verbally Date _____<br>☐ Reported to DEC in writing Date _____ | ☐ No |
| d) Has DEC 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:_____

## 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 | ☐ | 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 | ☐ | 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 | ☐ | by affixing the common seal of the licensee in accordance with the Corporations Act 2001; 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) | ☐ | 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 | ☐ | 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: _____/_____/_____

SIGNATURE: _____

NAME:
(printed) _____

POSITION: _____

DATE: _____/_____/_____

SEAL (if signing under seal)