



Government of **Western Australia**
Department of **Environment and Conservation**

Your ref: L6067/1991/10
Our ref: DEC9095
Enquiries: Alan Kietzmann
Phone: 9622 8940
Fax: 9622 8947
Email: Alan.kietzmann@dec.wa.gov.au

The Manager
Water Corporation
PO Box 100
Leederville WA 6902

Dear Sir/Madam

Environmental Protection Act 1986

Licence: L6067/1991/10

Occupier: Water Corporation

Premises: Wongan Hills Waste Water Treatment Plant- Lot 2 on Diagram 35274 Depot Rd
Wongan Hills WA 6603

You are hereby advised that a licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment and Conservation will advertise the issuing of this licence in the public notices section of The West Australian newspaper.

The licence is subject to the attached conditions. Under section 58 of the Act, 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.

In accordance with section 102(1)(c) of the Act, you are afforded 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 make an appeal or check if any appeals have been made, contact the Office of the Appeals Convenor on 6467 5190. Please direct all other inquiries to the Licensing Officer above.

Yours faithfully,

Carissa Aitken
Manager, Works Approval & Emissions Licensing Section

Thursday 17 November 2011

enc: Environmental Protection Act 1986 Licence 6067/1991/10
copy to: Shire of Wongan-Ballidu

DIRECTOR GENERAL AND ENVIRONMENTAL SERVICES DIVISIONS: The Atrium, 168 St Georges Terrace, Perth, Western Australia 6000

Phone: (08) 6467 5000 Fax: (08) 6467 5562

PARKS AND CONSERVATION SERVICES DIVISIONS: Executive: Corner of Australia II Drive and Hackett Drive, Crawley, Western Australia 6009

Phone: (08) 9442 0300 Fax: (08) 9386 1578 Operations: 17 Dick Perry Avenue, Technology Park, Kensington, Western Australia 6151

Phone: (08) 9219 8000 Fax: (08) 9334 0498

POSTAL ADDRESS FOR ALL DIVISIONS: Locked Bag 104, Bentley Delivery Centre, Western Australia 6983

www.dec.wa.gov.au

wa.gov.au

WESTERN AUSTRALIA
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

ISSUED LICENCE

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

LICENSEE AND OCCUPIER:

Water Corporation
629 Newcastle Street
Leederville WA 6007

NAME AND LOCATION OF PREMISES:

Wongan Hills Wastewater Treatment Plant
Lot 2 on Diagram 35274 Depot Road
Wongan Hills WA 6603
(as depicted in Attachment 1)

Environmental Protection Regulations 1987
CLASSIFICATION(S) OF PREMISES:

Category 54: Sewage facility

COMMENCEMENT DATE OF LICENCE: Thursday 1 December 2011

EXPIRY DATE OF LICENCE: Wednesday 30 November 2016

CONDITIONS OF LICENCE:

As described and attached:


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

Date of Issue: Thursday 17 November 2011

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

PREAMBLE

Applicability

This licence is issued to the Water Corporation for the Wongan Hills Wastewater Treatment Plant located at Lot 2 on Diagram 35274 Depot Rd, Wongan Hills (Attachment 1), which is a prescribed premises within Schedule 1 of the *Environmental Protection Regulations 1987*, as outlined in Table 1.

Table 1: Category under which Wongan Hills WWTP is prescribed.

Category number	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.

The Wongan Hills Wastewater Treatment Plant includes, but is not limited to, the following operations:

- (a) The wastewater treatment plant is designed to treat wastewater to a secondary standard prior to discharge.
- (b) Wastewater passes through an Imhoff tank and a series of treatment ponds.
- (c) Treated wastewater is reused by the Shire of Wongan-Ballidu.

Nominal Rated Throughput

The conditions of this licence have been developed based upon the assessment of the plant operating at the following throughput:

- Quantity of wastewater treated: More than 200 but no more than 2 000 cubic metres per day

Odour Control

The licensee should manage and operate the premises such that odours emanating from the premises do not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person.

Emergency, Accident or Malfunction

The licensee should inform the Director as soon as practicable of the identification of any discharge of waste which has occurred as a result of an emergency, accident or malfunction, or extreme weather conditions, otherwise than in accordance with any condition of this licence and has caused or is likely to cause pollution.

Alteration to Premises

Prior to making any significant alterations to the premises which may affect the air, water or noise emissions from the premises the licensee must submit a proposal to the Director accompanied by supporting information and plans which allow the environmental impact of that change to be assessed.

General Requirements

The following statements reflect important sections of the *Environmental Protection Act 1986* and are included for the information of the licensee:

- (a) The licensee should take all reasonable and practicable measures to prevent pollution of the environment.
- (b) Noise emissions from operations on site are required to comply with the *Environmental Protection (Noise) Regulations 1997*.

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

- (c) The licensee should take all reasonable and practicable measures to prevent or minimise the discharge of waste and the emission of noise, odours or electromagnetic radiation from the premises.
- (d) The licensee should inform the Director at least 24 hours prior to the commencement of any planned non-standard operations, which may have the potential to cause pollution.

CONDITIONS OF LICENCE

DEFINITIONS

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

"AS or Australian Standard" means the most recent version (unless otherwise stated) of the specified Australian Standard published by Standards Australia International Ltd. Sydney;

"AS/NZS5667 or Australian Standard 5667" means the most recent version and the relevant parts of the Australian and New Zealand series of guidance standards on Water Quality Sampling;

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

"biosolids guideline" means the "Western Australian Guidelines for Direct Land Application of Biosolids and Biosolids Products", (February 2002). Department of Environmental Protection, Water and Rivers Commission, Department of Health;

"BOD or Biochemical Oxygen Demand" means a water quality indicator which is reported in mg/L of oxygen and is a measure of the amount of oxygen used in the biochemical oxidation of organic matter in wastewater or a slurry and is generally tested over a period of 5 days under specified conditions (referred to as BOD₅);

"Director" means Director, Environmental Regulation Division of the Department of Environment and Conservation 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 and Conservation' for the purpose of correspondence means-;

Regional Manager, Wheatbelt Region
Department of Environment and Conservation
PO Box 100
Narrogin WA 6312
Telephone: (08) 9622 8940
Facsimile: (08) 9622 8947;

"discernible" means capable of being seen, noticed or observed;

"extreme rainfall event" means the rainfall quantity from a one in ten year rainfall event of 72 hours duration, as defined by Australian Rainfall and Runoff;

"hardstand" means an area with a prepared (sealed) or natural surface which has a low permeability (i.e. having a hydraulic conductivity of less than 10^{-9} metres per second at unit hydraulic gradient) which prevents escapes of any liquids from the surface into the subsoil and groundwater;

'inform' means inform by telephone or facsimile;

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

"m³/day" means cubic metres per day;

"mg/L" means milligrams per litre;

"NATA" means National Association of Testing Authorities;

'odour sensitive premises' means any land or building that is used as a residence, guest house, hotel, motel, caravan park, school, church, hospital, or as an office or consulting rooms, where such office or consulting rooms are not located in an industrial area; and

'premises' for the purpose of this licence means the Wongan Hills Wastewater Treatment Plant located at Lot 2 on Diagram 35274 Depot Rd, Wongan Hills WA 6603, as depicted in Attachment 1.

WATER POLLUTION CONTROL CONDITIONS

MAINTENANCE OF WASTEWATER TREATMENT PONDS

1. The licensee shall manage the wastewater treatment ponds in a manner such that:
 - (a) uncontaminated stormwater runoff resulting from roof and site drainage shall be prevented from entering the wastewater treatment ponds or causing the erosion of outer pond embankments;
 - (b) overtopping of the wastewater treatment ponds shall not occur except as a result of an extreme rainfall event (greater than a 1 in 10 year event of 72 hours duration);
 - (c) there is no discernible seepage loss from the ponds;
 - (d) vegetation (emergent or otherwise) shall be prevented from growing in the pond wastewaters or on the inner pond embankments; and
 - (e) trapped overflows shall be maintained on the discharge from all waste water treatment ponds to prevent carry-over of surface floating matter to subsequent ponds.
2. The licensee shall maintain a sampling point in the outlet pipe from the final treatment pond so that samples can easily be obtained from this point.

DISCHARGE FROM THE WASTEWATER TREATMENT PONDS

3. The licensee shall direct all wastewater from the wastewater treatment ponds for reuse or discharge to a watercourse via the wastewater outlet pipe from the final treatment pond.

FLOW MONITORING DEVICE

4. The licensee shall maintain a device for measuring monthly cumulative volumes of treated wastewater discharged from the treatment plant to the Shire of Wongan Hills' Reuse Program.
5. The licensee shall present the monthly flow results in the next Annual Monitoring Report in tabular form.

TREATED WASTEWATER SAMPLING REQUIREMENTS

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

6. The licensee shall collect all wastewater samples in accordance with the relevant parts of Australian Standard 5667.

ENVIRONMENTAL MONITORING PROGRAM

7. The licensee shall conduct a monitoring program which measures the parameters stated in column 1 of Table 2 at the frequency stated in column 2 of Table 2, using the corresponding methods listed in column 3 of Table 2 at the final effluent sample point location.

Table 2: Monitoring parameters

Column 1	Column 2	Column 3	Column 4
Monitoring Site	Parameters to be monitored	Sampling frequency	Method
Outlet pipe from the final pond	(i) pH (ii) Total Dissolved Solids (calculated from conductivity) (iii) Total suspended Solids (iv) Filtered 5-Day Biochemical Oxygen Demand (v) Total-nitrogen (vi) ammonium-nitrogen (vii) Nitrate+Nitrite-Nitrogen (viii) Total-phosphorus (ix) <i>E coli</i>	Quarterly (January, April, July and October)	AS/NZS 5667.1:1998 Standard Methods for Examination of Water and Wastewater – APHA-AWWA-WEF

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

8. The licensee shall submit all water samples to a NATA accredited laboratory for the analyses specified in condition 6 and 7 for analysis in accordance with the "Standard Methods for Examination of water and Wastewater-APHA-AWWA-WEF";

CALCULATION OF CONTAMINANT LOAD

9. The licensee shall determine the monthly load of each contaminant (as listed in Table 2, Condition 7) in the treated wastewater discharged from the final pond (except pH and *E. coli*) using flow weighted data. The loads shall be based on the treated wastewater discharge rates and the concentrations as measured in accordance with conditions 6 and 7. Monthly and annual average loads of the contaminants shall be reported in the annual monitoring report in kilograms per day (kg/day).

ODOUR

10. The licensee shall ensure that odour emitted from the premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the premises.

SOLID WASTE POLLUTION CONTROL CONDITIONS

POND AND SOLIDS MANAGEMENT

11. The licensee shall dispose of collected vegetation and floating debris from the treatment ponds to a licensed landfill.

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

12. The licensee shall:
- (i) inform the Director prior to taking a treatment pond offline for maintenance works;
 - (ii) inform the Director no less than 14 days prior to the removal of sewage sludge from a treatment pond;
 - (iii) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area or approved drying bed which:
 - (i) is adequately banded to prevent surface runoff of leachate or sludge from crossing the boundary of the premises;
 - (ii) where possible, returns sludge leachate from the storage area back to the treatment ponds.
13. The licensee shall dispose of sludge and biosolids in accordance with the document *Western Australian Guidelines for Direct Land Application of Biosolids and Biosolids Products*, Department of Environmental Protection, Water and Rivers Commission and Department of Health (February, 2002).

MONITORING AND REPORTING

14. The licensee shall provide to the Director, **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:
- (a) monitoring data or other collected data required by any condition of this licence;
 - (b) an assessment of data against the targets set or any together environmental guidelines, or policies referred to in this licence and data from the previous years; monitoring;
 - (c) a summary of any data exceeding those targets including information as to why the exceedances occurred(if known) and action taken by the licensee to prevent recurrence of such exceedances;
 - (d) an explanation of the monitoring results with respect to the environmental impacts of the project;
 - (e) a summary of the number and type of complaints received and action taken; and
 - (f) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

15. The licensee shall by **1 September** in each year, provide to the Director an Annual Audit Compliance Report in the form in Attachment 3 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.



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

Date of Issue: Thursday, 17 November 2011

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

ATTACHMENT 1: Plan of Premises

**Wongan Hills Wastewater Treatment Plant located at Lot 2 on Diagram 35274 Depot Rd,
Wongan Hills WA 6603.**



WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

ATTACHMENT 2: Annual Audit Compliance Report.

SECTION A

LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name:	ACN:
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 AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

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?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DEC verbally Date _____	<input type="checkbox"/> No
<input type="checkbox"/> Reported to DEC in writing Date _____	
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: _____

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6067/1991/10

FILE NUMBER: DEC9095

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 with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation and Conservation.
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 and Conservation and Conservation.
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 and Conservation and Conservation.
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 and Conservation and Conservation.
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)