



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

Your ref: L6319/1991/13
Our ref: DEC9065
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: L6319/1991/13

Occupier: Water Corporation

Premises: Kojonup Wastewater Treatment Plant, Crown Reserve 33690 Kojonup WA 6395

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
A/Manager, Works Approval & Emissions Licensing Section

Thursday 20 October 2011

enc: Environmental Protection Act 1986 Licence 6319/1991/13
copy to: Shire of Kojonup

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

PFMS_TL0453

XDECL001

WESTERN AUSTRALIA
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

ISSUED LICENCE

LICENCE NUMBER: 6319/1991/13

FILE NUMBER: DEC9065

LICENSEE AND OCCUPIER:

Water Corporation
629 Newcastle Street
Leederville WA 6007

NAME AND LOCATION OF PREMISES:

Kojonup Wastewater Treatment Plant
Crown Reserve 33690
Kojonup 6395

Environmental Protection Regulations 1987

CLASSIFICATION(S) OF PREMISES:


Category 54 Sewage Facility

COMMENCEMENT DATE OF LICENCE: Tuesday, 1 November 2011

EXPIRY DATE OF LICENCE: Monday, 31s October 2016

CONDITIONS OF LICENCE:

As described and attached:



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

Date of Issue: Thursday 20 October 2011

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

PREAMBLE

Applicability

This licence is issued to the Water Corporation for the Kojonup Wastewater Treatment Plant located at Crown Reserve 33690, Kojonup, as depicted in 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 Kojonup 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 Kojonup 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 two treatment ponds;
- (c) Off-site storage of treated wastewater in a Shire of Kojonup holding dam for re-use during summer; and
- (d) Discharge to the Kojonup Creek in winter

Nominal Rated Throughput

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

- (a) Quantity of wastewater treated: 250 cubic metres per day.

Treatment Plant Performance

The Director expects the licensee to operate the treatment plant to achieve a target discharge contaminant concentration of treated wastewater of:

- (a) Filtered 5-day Biochemical Oxygen Demand less than 20mg/L;
- (b) Total Phosphorus less than 2mg/L
- (c) Thermo-tolerant coliforms less than 1,000 organisms per 100mL in treated wastewater discharged from the premises:

When taken in accordance with condition 6.

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;

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

"AS/NZS" means the most recent version (unless otherwise stated) of the specified Australian and New Zealand Standard as jointly published by Standards Australia International Ltd, Sydney and Standards New Zealand, Wellington;

"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;

"AS3780" means Australian Standard 3780-1994: The storage and handling of corrosive substances;

"APHA-AWWA-WEF" means American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF);

"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-

"Director" for the purpose of correspondence means-

Regional Manager, Wheatbelt Region
Department of Environment and Conservation
PO Box 100 Telephone: (08) 9622 8940
Narrogin WA 6312 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" and "advise" means by telephone, email or facsimile;

"m³/day" means cubic metres per day;

"mg/L" means milligrams per litre;

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

"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 Kojonup Wastewater Treatment Plant located at Crown Reserve 33690, Kojonup, 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) 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 wastewater 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. The monthly flow results shall be presented in the next annual monitoring report in a tabular format in m³/day.

TREATED WASTEWATER SAMPLING REQUIREMENTS

5. The licensee shall collect all wastewater samples in accordance with the relevant parts of the Australian standard 5667, 1998.
6. 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.

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

Table 2 Sampling and monitoring program

Column 1	Column 2	Column 3	Column 4
Monitoring site	Parameters to be measured*	Sampling frequency	Method
Outlet pipe from treatment plant	(i) Total Suspended Solids, (ii) Total Dissolved Solids, (iii) Biological Oxygen Demand, (iv) Total Nitrogen, (v) Ammonium-nitrogen, (vi) Nitrate + Nitrite-Nitrogen, (vii) Total Phosphorous, (mg/L) (viii) pH (ix) <i>E. coli</i> (coliform-forming units/100mL)	Monthly	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.

- The licensee shall submit all water samples to a NATA accredited laboratory for the analyses specified in condition 5 and 6 for analysis in accordance with the Standard Methods for Examination of Water and Wastewater-APHA-AWWA-WEF;

CALCULATION OF CONTAMINANT LOAD

- The licensee shall determine the monthly load of each contaminant 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 5, 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

ODOUR CONDITION

- 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.

BUNDING AND CONTAINMENT

CHEMICAL CONTAINMENT AND BUNDING

- The licensee shall store environmentally hazardous chemicals including alum and chlorine gas (where the total volume of each substance stored on the premises exceeds 250 litres) in accordance with AS 3780.
- The licensee shall direct any stormwater that accumulated in condition 11 to the wastewater treatment ponds

SOLID WASTE POLLUTION CONTROL CONDITIONS

POND AND SOLIDS MANAGEMENT

- The licensee shall dispose of collected vegetation and floating debris from the treatment ponds to a licensed landfill.
- The licensee shall:
 - inform the Director in writing prior to taking a treatment pond offline for maintenance works;

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

- (b) inform the Director in writing no less than 14 days prior to the removal of sewage sludge from a treatment pond; and
 - (c) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area or approved drying bed which;
 - (i) is adequately bunded to prevent surface runoff of leachate or sludge from crossing the boundary of the premises; and
 - (ii) where possible, returns sludge leachate from the storage area back to the treatment ponds.
14. 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

15. 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 explanation of the monitoring results with respect to the environmental impacts of the project;
 - (c) the number and type of complaints received including the date of the complaint, the nature of complaint (where appropriate cross referenced with prevailing wind directions) and action taken; and
 - (d) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.
16. 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.



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

Date of Issue: 20 October 2011

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

ATTACHMENT 1 – Plan of Premises

Kojonup Wastewater Treatment Plant located at Crown Reserve 33690, Kojonup.

Kojonup Waste Water Treatment Plant Premises Boundary



LEGEND

- Local Government Authorities
- Road Centrelines
- Image Index
- Property Lot
- Coverage
- Kojonup 50cm Orthomosaic - Landgate 2006

Scale 1:3298
Approximate ± 1m (ground level at 10m)

Geocentric Datum Australia (1984)
Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: margaret
Prepared for:
Date: 5/10/2011 3:41:31 PM

Information derived from this map should be confirmed with the data custodian and/or local government agency as shown in the legend.

Department of Environment and Conservation
Our environment, our future
WA Code of Geopoints 2002

* Project Data. This data has not been quality assured. Please contact map author for details.

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

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

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

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"/> Reported to DEC in writing Date _____	<input type="checkbox"/> 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: _____

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE NUMBER: L6319/1991/13

FILE NUMBER: DEC 9065

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"/> <input type="checkbox"/>	by the individual licence holder, 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 and Conservation.
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 and Conservation.
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 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 and Conservation.
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 and Conservation.
A local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

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

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: _____

SIGNATURE: _____

NAME: (printed) _____

NAME: (printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)