



Licence

Environmental Protection Act 1986, Part V

Licensee: Water Corporation

Licence: L6248/1991/8

Registered office: 629 Newcastle Street
LEEDERVILLE WA 6007

Premises address: Reserve 35053, Lot 1933 Millstream Road Within coordinates 483356.169 E, 7698799.765 N; 482356.585 E, 7698828.63 N; 483331.931 E, 7697960 N; 483143.563 E, 7697805.487 N; and 482327.722 E, 7697829.045 N
KARRATHA WA 6714
As depicted in Schedule 1

Issue date: Thursday, 24 October 2013

Commencement date: Friday, 1 November 2013

Expiry date: Wednesday, 31 October 2036

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
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.	100 cubic metres or more per day	10 000 cubic metres per day

Conditions

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

Date signed: 19 May 2016

.....
Steve Checker
MANAGER LICENSING (WASTE INDUSTRIES)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



Contents

Licence	1
Contents	2
Introduction	2
Licence conditions	5
1 General	5
2 Emissions	8
3 Monitoring	8
4 Information	10
Schedule 1: Maps	13
Schedule 2: Reporting & notification forms	18

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 regulates 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.



Other Guidelines which you should be aware of include:

- *Western Australian Guidelines for Biosolids Management*, Department of Environment and Conservation, December 2012 (as amended from time to time).

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

The Water Corporation (Water Corp) operate the Karratha No. 1 Wastewater Treatment Plant (K1 WWTP), located at Reserve 35053, Lot 1933 Millstream Road, Karratha. The K1 WWTP treats wastewater to a secondary standard. Treated Wastewater (TWW) is either used by the City of Karratha to reticulate ovals in Karratha or is discharged to offsite contingency evaporation/infiltration basins.

This Licence is a result of an amendment sought by the Licensee to dispose of waste to offsite contingency evaporation/infiltration basins located 10 km away at lot 256, Great Northern Highway, Cooya Pooya, which were constructed and commissioned under Works Approval W5434/2013/1. The amendment will also incorporate the construction and commissioning of the Water Recycling Plant (WRP) and associated infrastructure including inlet screens, two deep anaerobic ponds and a storage pond under Works Approval W5138/2012/1.

The main emissions from the premises are discharges to land of TWW via the storage pond and offsite contingency evaporation/infiltration basins. These ponds are unlined and infiltration to groundwater is also expected. Odour is another potential emission from raw wastewater received at the inlet screens and processed in the anaerobic ponds.

The Licences and Works Approvals for the Premises prior to the amendment of this Licence are:

Instrument log		
Instrument	Issued	Description
L6248/1991/1	07/10/2000	Licence re-issue – First licence noted in Industry Licensing System
L6248/1991/2	07/10/2001	Licence re-issue
L6248/1991/3	07/10/2002	Licence re-issue
L6248/1991/4	07/10/2003	Licence re-issue
L6248/1991/5	07/10/2004	Licence re-issue
L6248/1991/6	01/11/2006	Licence re-issue
L6248/1991/7	01/11/2008	Licence re-issue
L6248/1991/8	24/03/2010	Licence amendment for AACR submission date
W5138/2012/1	18/06/2012	Works Approval issued for construction on WRP and associated infrastructure
W5434/2013/1	05/09/2013	Works Approval issued for construction of the offsite contingency/evaporation/infiltration basins and associated infrastructure
L6248/1991/8	01/11/2013	Licence re-issue
L6248/1991/8	24/12/2015	Licence amendment for completion of Works Approval W5138/2012/1 and W5434/2013/1 in standardised format
L6248/1991/8	19/05/2016	Licence amendment to outline Storage Pond lined to achieve a permeability of 1×10^{-9}



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*;

'AHD' means the Australian height datum;

'annual period' means the inclusive period from 1 July until 30 June in the following year;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

'averaging period' means the time over which a limit or target is measured or a monitoring result is obtained;

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

'CEO' for the purpose of correspondence means:

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

'controlled waste' has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

'Geobag' means a geotextile dewatering bag that allows solids to dewater over time while containing the solid component;

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

'leachate' means liquid released by or water that has percolated through waste and which contains some of its constituents;

'Licence' means this Licence numbered L6248/1991/8 and issued under the Act;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;



‘normal operating conditions’ means any operation of a particular process (including abatement equipment) excluding start-up, shut-down and upset conditions, in relation to stack sampling or monitoring;

‘Premises’ means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

‘process equipment’ means any wastewater or sludge containment infrastructure or wastewater treatment vessel;

‘quarterly’ means the 4 inclusive periods from 1 July to 30 September, 1 October to 31 December in the following year, 1 January to 31 March and 1 April to 30 June;

‘Schedule 1’ means Schedule 1 of this Licence unless otherwise stated;

‘Schedule 2’ means Schedule 2 of this Licence unless otherwise stated;

‘shut-down’ means the period when plant or equipment is brought from normal operating conditions to inactivity;

‘spot sample’ means a discrete sample representative at the time and place at which the sample is taken;

‘start-up’ means the period when plant or equipment is brought from inactivity to normal operating conditions;

‘usual working day’ means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia;

‘Waste Code’ means the Waste Code assigned to a type of controlled waste for purposes of waste tracking and reporting as specified in the Department of Environment Regulation “Controlled Waste Category List” (July 2014), as amended from time to time;

‘wastewater treatment vessels’ means any vessel or tank containment infrastructure associated with the treatment of wastewater; and

‘µS/cm’ means microsiemens per centimetre.

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 current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Licence.

1.2 General conditions

1.2.1 The Licensee shall ensure stormwater runoff resulting from site drainage is prevented from entering the wastewater treatment ponds or causing erosion of the outer pond embankments.

1.3 Premises operation

1.3.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit in this section.

1.3.2 The Licensee shall only allow waste to be accepted on to the Premises if:

- (a) it is of a type listed in Table 1.3.1; and
- (b) the quantity accepted is below any limit listed in Table 1.3.1; and
- (c) it meets any specification listed in Table 1.3.1



Table 1.3.1: Waste acceptance

Waste	Waste Code	Quantity Limit	Specification ¹
Putrescible and Organic wastes			
Sewage	N/A	10 000 m ³ /day	Accepted through sewer inflow(s) and tankered waste only

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

- 1.3.3 The Licensee shall ensure that the wastes accepted onto the Premises are only subjected to the processes set out in Table 1.3.2 and in accordance with any process requirements described in that table.

Table 1.3.2: Waste processing

Waste type	Process	Process requirements
Sewage	Physical, biological and chemical treatment	Treatment of sewage waste shall be limited at or below the treatment capacity of 10 000 m ³ /day.
Sewage sludge	Storage and disposal	<ul style="list-style-type: none">Collected leachate to be returned to treatment ponds; andRemoval of sludge and biosolids in accordance with the document 'Western Australian Guidelines for Biosolids Management', Department of Environment and Conservation, (December 2012 or updated version), or to a licensed landfill facility.

- 1.3.4 The Licensee shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.3.

Table 1.3.3: Containment infrastructure

Vessel or compound	Material	Requirements
Inlet works (Drum Screen)	Grit and Screenings	Stored in a sealed bin or in a container within a hardstand area which returns sludge leachate to the start of the treatment process
Anaerobic Ponds 1 and 2	Wastewater	Geosynthetic clay lined to achieve a permeability of <10 ⁻⁹ m/s or equivalent
Oxidation Ponds 1a, 1b, 2 & 3	Wastewater	Lined with compacted in-situ soils
Oxidation Ponds 4 – 6	Wastewater	Geosynthetic clay lined to achieve a permeability of <10 ⁻⁹ m/s or equivalent
Storage Pond	Treated wastewater	Geosynthetic clay lined to achieve a permeability of <10 ⁻⁹ m/s or equivalent
Sewage sludge compound	Sewage sludge	Contained in sludge drying beds

- 1.3.5 The Licensee shall manage all wastewater treatment and storage ponds such that:
- overtopping of the ponds does not occur;
 - the integrity of the containment infrastructure is maintained;
 - trapped overflows are maintained on the outlet of ponds to prevent carry-over of surface floating matter; and



- (d) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.

1.3.6 The Licensee shall:

- (a) implement security measures at the site to prevent as far as is practical unauthorised access to the site; and
- (b) undertake regular inspections of all security measures and repair damage as soon as practicable; and
- (c) ensure the entrance gates are closed and locked when the site is closed or unmanned.

2 Emissions

2.2 Emissions to land

- 2.2.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.2.1 [and identified on the map of emission points in Schedule 1] it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emissions to land

Emission point reference	Description	Source including abatement
L1	Discharge from Storage Pond to offsite contingency evaporation/infiltration basins	TWW not used for offsite Shire reuse discharged to offsite contingency evaporation/infiltration basins

3 Monitoring

3.1 General monitoring

3.1.1 The licensee shall ensure that:

- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1 unless indicated otherwise in the relevant table;
- (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
- (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
- (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.

3.1.2 The Licensee shall ensure that:

- (a) monthly monitoring is undertaken at least 15 days apart;
- (b) quarterly monitoring is undertaken at least 45 days apart; and
- (c) six monthly monitoring is undertaken at least 5 months apart.



3.2 Monitoring of emissions to land

3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of emissions to land			
Monitoring point reference	Parameter	Units	Frequency
M1	Volumetric flow rate (cumulative) ¹	m ³ /day	Continuous
	pH ¹	pH units	Quarterly
	Biochemical Oxygen Demand	mg/L	
	Total Suspended Solids		
	Total Dissolved Solids		
	Total Nitrogen		
	Ammonium Nitrogen		
	Nitrate + Nitrite Nitrogen		
	Total Phosphorus		
	<i>E.coli</i> ²	cfu/100 mL	

Note 1: In-field non-NATA accredited analysis permitted.

Note 2: Actual units are to be reported except where the result is greater than the highest detectable level of 24,000 cfu/100mL. In this case the reporting of the highest detectable level is permitted

3.3 Monitoring of inputs and outputs

3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Monitoring of inputs and outputs					
Input/Output	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Sewage - Inlet Flow	Inflow meter	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous
Treated wastewater directed to WRP for tertiary treatment	M1	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous
Treated wastewater discharged to offsite evaporation/infiltration ponds	M1	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous

3.4 Ambient environmental quality monitoring

3.4.1 The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.

Table 3.4.1: Monitoring of ambient groundwater quality				
Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
MB1/14 – MB5/14, MB6/11 & MB/A – MB/C	Standing water level ¹	m(AHD) mBGL	Spot sample	Quarterly
	pH ¹	pH units		
	Electrical	µS/cm		



	conductivity ¹	mg/L		
	Total Nitrogen			
	Ammonium Nitrogen			
	Nitrate + Nitrite-Nitrogen			
	Total Phosphorus			

Note 1: In-field non-NATA accredited analysis permitted.

4 Information

4.1 Records

4.1.1 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 4.1.1(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.

4.1.2 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.

4.1.3 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.

4.1.4 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.

4.2 Reporting

4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report by 1 September each year. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or form ¹
-	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
Table 3.2.1	Monitoring of emissions to land	None specified
Table 3.3.1	Monitoring of inputs and outputs	None specified
	Methodology and calculations used to estimate the daily	None specified



	volumetric flow rate of treated wastewater pumped to evaporation basins and results of those calculations.	
Table 3.4.1	Monitoring of ambient groundwater quality	Tabular form
4.1.3	Compliance	Annual Audit Compliance Report (AACR)
4.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

- 4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- any relevant process, production or operational data recorded under condition 3.1.3; and
 - an assessment of the information contained within the report against previous monitoring results and Licence limits.

- 4.2.3 The Licensee shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.

Table 4.2.2: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form ¹
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of the CEO's request	As received by the Licensee from third parties

Note 1: Forms are in Schedule 2

4.3 Notification

- 4.3.1 The Licensee shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 4.3.1: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
-	Taking process equipment offline for maintenance works that may result in increased odour emissions	No less than 72 hours in advance of works	None specified
-	Removal of sewage sludge from a treatment pond, wastewater treatment vessel, sewage sludge storage pond or Geobag	No less than 14 days in advance of works ³	
-	Direct discharge to the environment, excluding infiltration, within 48 hours of becoming aware that such a discharge will occur, or has occurred	No less than 48 hours	
1.3.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next working day Part B: As soon as practicable	N1

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

Note 2: Forms are in Schedule 2

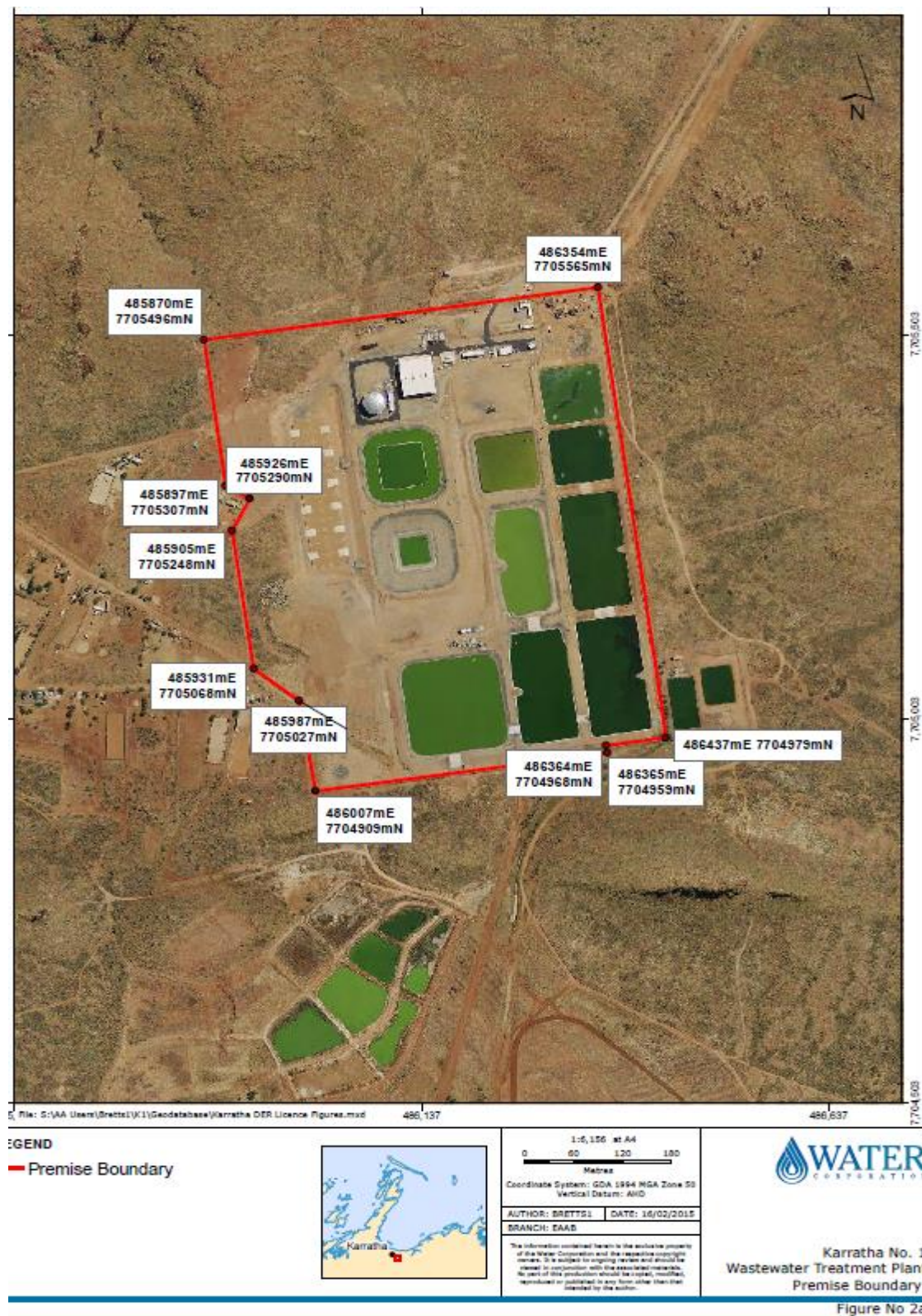


Note 3: The following information shall be included: (i) when desludging is proposed to occur, (ii) the desludging method, (iii) action to mitigate potential odour impacts,

Schedule 1: Maps

Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary.



Map of monitoring points

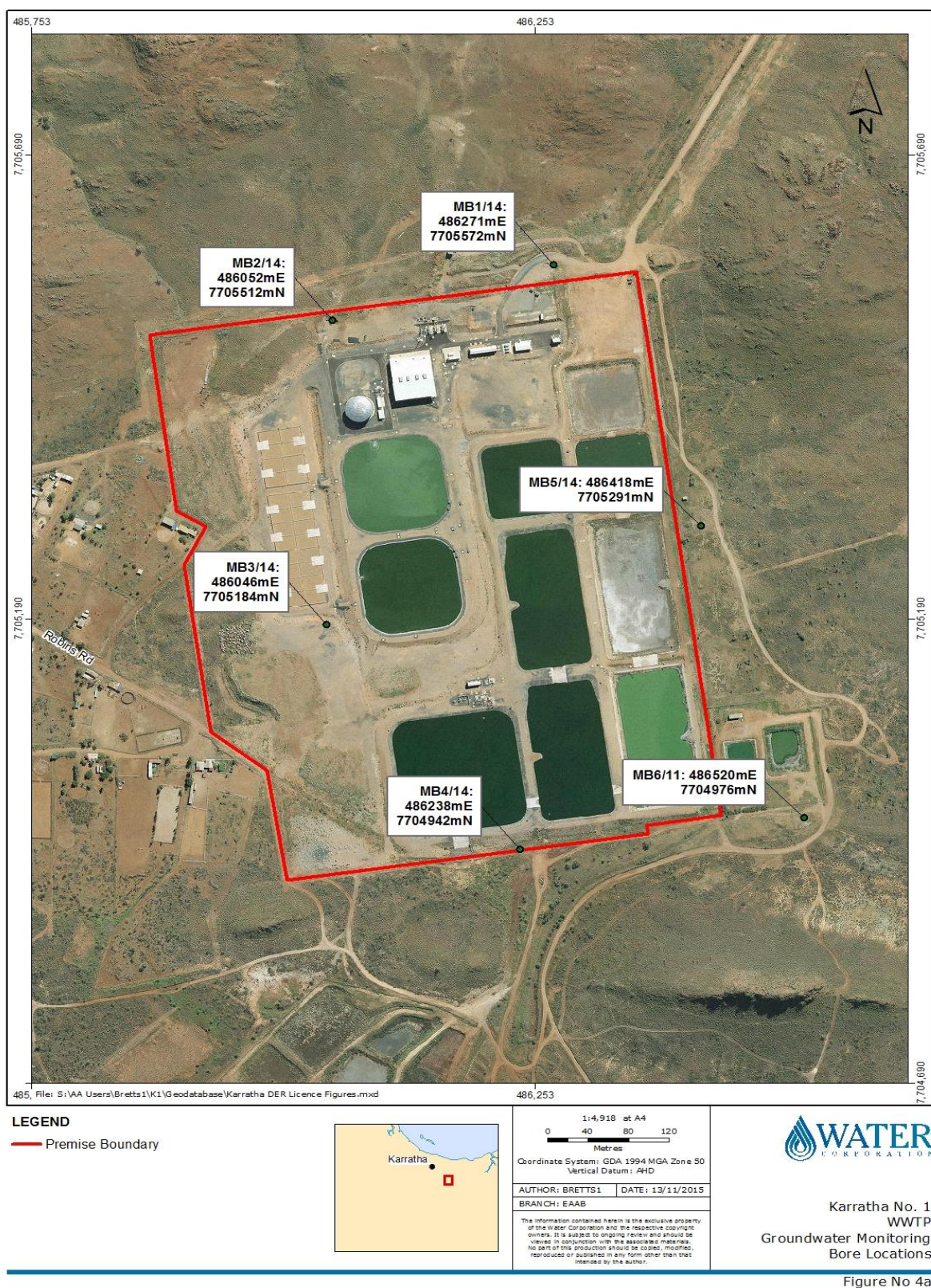
The location of the monitoring point defined in Table 2.2.1 and monitoring point defined in Table 3.2.1 are shown below.





Map of monitoring locations

The locations of the monitoring points defined in Table 3.4.1 is shown below.





Map of monitoring locations

The locations of the offsite monitoring points defined in Table 3.4.1 is shown below and emission point listed in Table 2.2.1.

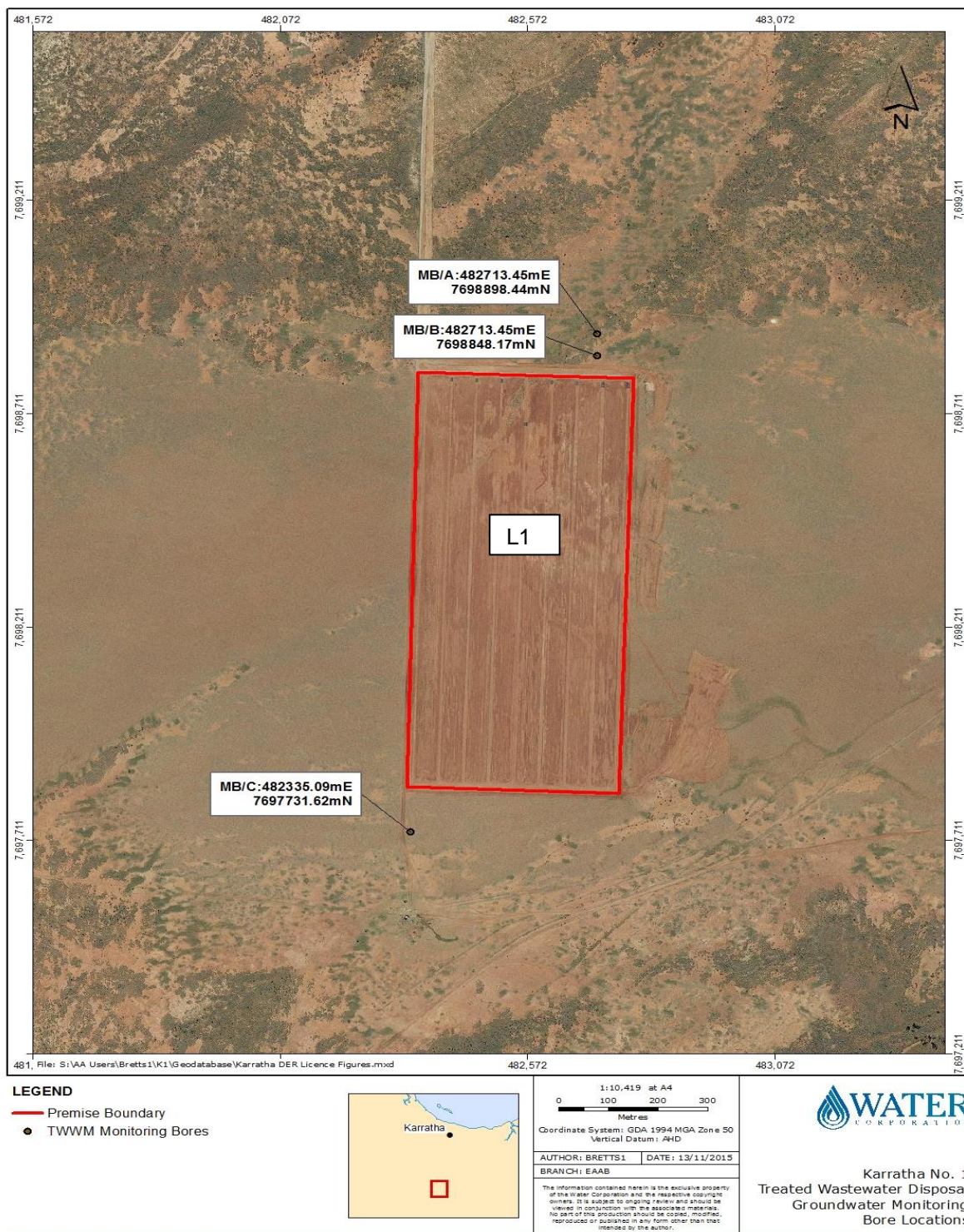
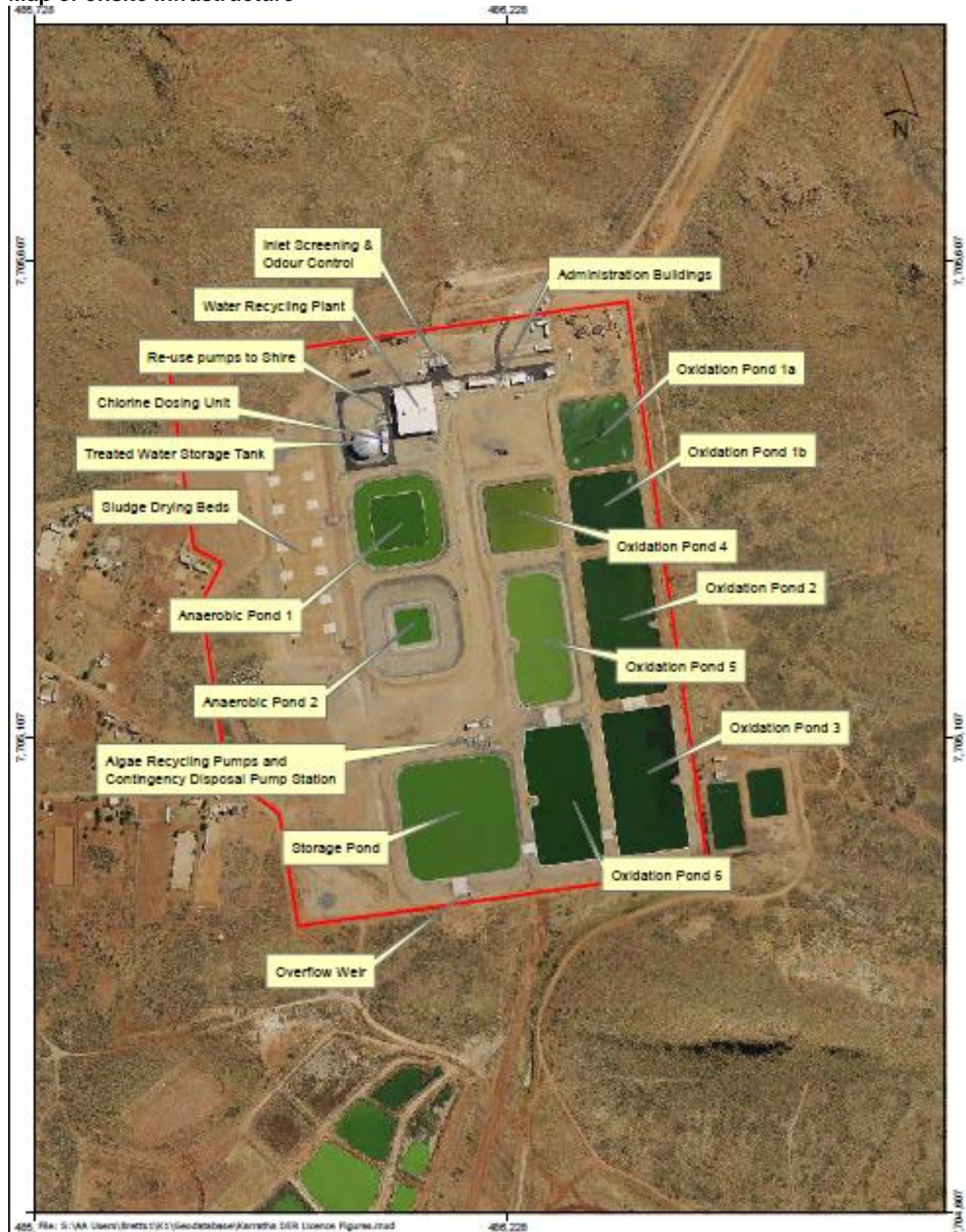


Figure No 4b

Map of onsite infrastructure



LEGEND

— Premise Boundary



1:5,429 at A4
0 50 100 150
Metres
Coordinate System: GDA 1994 MGA Zone 50
Vertical Datum: AHD
AUTHOR: BRETT S. DATE: 16/02/2015
BRANCH: SAAS

This information remains the property of the Karratha Corporation and its respective copyright owner. It is subject to ongoing review and should be viewed in conjunction with the associated materials. No part of this publication should be copied, modified, reproduced or published in any form other than that released by the author.



Karratha No. 1
Wastewater Treatment Plant
Features



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) must 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: L6249/1991/8
Form: N1

Licensee: Water Corporation
Date of breach:

Notification of detection of the breach of a limit

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	Water Corporation
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	



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 Water Corporation	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Water Corporation**

Licence: **L6248/1991/8**

Registered office: 629 Newcastle Street
LEEDERVILLE WA 6007

Premises address: Karratha Number 1 WWTP
Reserve 35053, Lot 1933 Millstream Road Within coordinates 483356.169
E, 7698799.765 N; 482356.585 E, 7698828.63 N; 483331.931.931 E,
7697960 N; 483143.563 E, 7697805.487 N; and 482327.722 E,
7697829.045 N KARRATHA WA 6714

Issue date: Thursday, 24 October 2013

Commencement date: Friday, 1 November 2013

Expiry date: Wednesday, 31 October 2036

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended Licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by:

Chris Slavin
Licensing Officer

Decision Document authorised by:

Steve Checker
Manager Licensing



Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	6
6 Risk Assessment	7

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.



2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	54	10 000 cubic metres per day
Application verified	Date: N/A	
Application fee paid	Date: N/A	
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	N/A	
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 checked="" 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 ₂ requirements of Kwinana EPP.		



3 Executive summary of proposal and assessment

The Water Corporation (Water Corp) operates the Karratha Number 1 Wastewater Treatment Plant (K1 WWTP), located in the Pilbara region of Western Australia. The K1 WWTP treats wastewater to a secondary standard via a series of anaerobic and oxidation ponds. Treated Wastewater (TWW) is either used by the City of Karratha to reticulate ovals in Karratha or is discharged to offsite contingency evaporation/infiltration basins.

Water Corp has requested to amend Licence L6248/191/8, as at the time of the last amendment (24 December 2016) an administrative error was made. The Storage Pond was stated in the previous Licence as being 'Unlined'. However, the Storage pond was constructed with a geosynthetic clay liner to achieve a permeability of $<10^{-9}$ m/s as per documents submitted to the Department of Environment Regulation (DER) as part of the compliance document for Stage 2 of Works Approval W5138/2012/1.

DER has taken this opportunity to make global changes to the Licence.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, 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	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.1.5	Licence condition 1.1.5 has been identified as redundant and removed as it was a statement of general advice rather than an enforceable condition.	
Premises operation	L1.3.4	Licence condition 1.3.4 has been amended to outline that the Storage Pond is geosynthetic clay lined to achieve a permeability of $<10^{-9}$ m/s or equivalent, as per the Stage 2 compliance certificate submitted as part of Works Approval W5128/2012/1.	General provisions of the <i>Environmental Protection Act 1986</i> . Application supporting documentation.
Emissions to land	L2.2.1	Licence condition 2.2.1 has been amended to remove the Storage Pond as an emission to land. The only emission to land from the premises is from a controlled discharge from the Storage Pond to the offsite contingency evaporation/infiltration basins.	Application supporting documentation.
Licence Duration	N/A	The current Licence was issued to Water Corp on 1 November 2013. In accordance with DER's new Guidance Statement: <i>Licence Duration</i> , DER has amended the expiry date of the Licence to 31 October 2036. The Premises is licenced to accept 10ML/day of wastewater and is currently receiving less than 3ML/day.	Guidance Statement: <i>Licence Duration</i>



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
24/04/2016	Proponent sent a copy of draft instrument	The signed waiver form received on 12 May 2016 requesting the amended Licence be signed as soon as possible.	N/A



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