



Licence number	L8773/2013/1
Licence holder	City of Karratha
Registered business address	Lot 1083 Welcome Road Karratha WA 6714
DWER file number	APP-0032922
Duration	16/12/2013 to 15/12/2030
Date of issue	12 December 2013
Date of amendment	27 February 2026
Premises details	Karratha Airport Wastewater Treatment Plant Gap Ridge WA 6714 Legal description - Lot 300 on Deposited Plan 41931 Part of Lot 302 on Deposited Plan 41933 As defined in Schedule 1 Premises Map

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 54: Sewage facility	200 m ³ /day

This licence is granted to the licence holder, subject to the attached conditions, on 27 February 2026, by:

Grace Heydon

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Licence history

Date	Reference number	Summary of changes
09/05/2103	W5349/2013/1	Works Approval granted
12/12/2013	L8773/2013/1	Licence granted.
18/11/2015	L8773/2013/1	Licence amendment to align annual period with due date of AER
27/02/2026	L8773/2013/1	Licence amendment to upgrade WWTP.

Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Waste Acceptance

1. The licence holder must only allow waste to be accepted onto the premises if:
 - a. it is of a type listed in Table 1;
 - b. the quantity accepted is below any limit listed in Table 1; and
 - c. it meets any specification listed in Table 1.

Table 1: Waste acceptance

Waste	Quantity Limit	Specification
Sewage	200 m ³ /day	Accepted through sewer inflow(s) only

Waste Processing

2. The licence holder must ensure that the waste types accepted onto the premises are only subjected to the process(es) set out in Table 2 and in accordance with any process limits described in that table.

Table 2: Waste processing

Waste type	Process	Process limits and targets
Sewage	Biological, physical and chemical treatment	Treatment of sewage and must be below the treatment capacity of 200 m ³ /day.

Infrastructure and equipment

3. The licence holder must ensure that the site infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 3.

Table 3: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Inlet Screen	Concrete inlet chamber	Schedule 1 Layout Map
Balance Tank x 4	Tank capacity of 60m ³ . Sited within a bunded concrete hardstand.	Schedule 1 Layout Map
SBR Tank x 2	Tank capacity of 50 kl/day. Sited within a bunded concrete hardstand.	Schedule 1 Layout Map
UF Plant	Plant capacity of 100 kL/day capacity consisting of one 50 KL Buffer Tank and one 20' Container. Sited within a bunded concrete hardstand.	Schedule 1 Layout Map
One Sludge Tank	Tank capacity of 60m ³ .	Schedule 1

Site infrastructure and equipment	Operational requirement	Infrastructure location
	Sited within a bunded concrete hardstand.	Layout Map
TWW Tanks x 4	Tank capacity of 60m ³ . Sited within a bunded concrete hardstand.	Schedule 1 Layout Map
Leachate / Evaporation Pond	Capacity of 220 m ³ lined to achieve a permeability of less than 10 ⁻⁹ m/s or equivalent.	Schedule 1 Layout Map

4. The Licence holder must manage the wastewater treatment vessels such that:
 - (a) overtopping of the wastewater treatment vessels does not occur;
 - (b) stormwater runoff is prevented from entering the wastewater treatment vessels; and
 - (c) there is no discernible seepage loss from the wastewater treatment vessels.
5. The Licence holder must manage the irrigation of treated wastewater such that:
 - (a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the defined irrigation area(s);
 - (b) treated wastewater is evenly distributed over the irrigation area;
 - (c) no soil erosion occurs;
 - (d) irrigation does not occur on land that is waterlogged; and
 - (e) vegetation cover is maintained over the irrigation areas identified in Table 4.
6. The licence holder must manage all wastewater treatment ponds such that:
 - (a) overtopping of the ponds does not occur;
 - (b) the integrity of the containment infrastructure is maintained; and
 - (c) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.
7. The Licence holder must immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

Emissions and discharges

Point source emissions to land

8. The licence holder must ensure that where waste is emitted to land from the emission points in Table 4 and identified on the map of emission and monitoring points in Schedule 1 it is done so in accordance with the conditions of this licence.

Table 4: Emission points to land

Emission point reference and location on Map of monitoring locations	Monitoring point and reference on Map of monitoring locations	Description	Source including abatement
L1 – <ul style="list-style-type: none"> • Bayly Avenue Medium Strips and Front Garden Bed; • Airport Gardens Terminal Precinct; 	Irrigation areas	Irrigation of wastewater to designated landscaped areas within prescribed premises.	Treated wastewater pipeline from wastewater treatment plant

Emission point reference and location on Map of monitoring locations	Monitoring point and reference on Map of monitoring locations	Description	Source including abatement
<ul style="list-style-type: none"> Car Park Area; and Eastern Terminal End 			
L2 – Red area	Firefighting and training area	Wastewater used for firefighting and training within the prescribed premises.	Treated wastewater pipeline from wastewater treatment plant
L3 – Purple circle	Aviation washdown facility	Wastewater used for washing down aircraft at washdown facility.	
L4 – Yellow area	Emergency leach pond	Infiltration and evaporation of treated wastewater which cannot be reused.	
L5 – Orange circle	Hydrant for water trucks for off-site use	Non potable hydrant to fill water truck for use at the Seven Mile Landfill.	

9. The licence holder must ensure that emissions from the discharge point listed in Table 5 for the corresponding parameters do not exceed the corresponding limit when monitored in accordance with condition 14.

Table 5: Emission points to land

Discharge point	Parameter	Limit	Averaging period
L1	Total Nitrogen	480 kg/ha/year	Annual
	Total Phosphorus	120 kg/ha/year	

Monitoring

10. The licence holder must ensure that:
- all water samples are collected and preserved in accordance with AS/NZS 5667.1 unless indicated otherwise in relevant table;
 - all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
 - all microbiological samples are collected and preserved in accordance with AS/NZS 2031; and
 - all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in relevant table.
11. The licence holder must ensure that monthly monitoring is undertaken at least 15 days apart.
12. The licence holder must ensure that all monitoring equipment used on the premises to comply with the conditions of this licence is calibrated in accordance with the

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manufacturer’s specifications and the requirements of the licence.

- 13. The licence holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

Monitoring of point source emissions to land

- 14. The licence holder must undertake the monitoring in Table 6 and identified on the map of emission and monitoring points in Schedule 1 according to the specifications in that table.

Table 6: Monitoring of point source emissions to land

Emission point reference	Monitoring point reference and location	Parameter	Units	Frequency	Method
-	M1as depicted in Schedule 1 Layout map	Volumetric flow rate (cumulative)	m ³ /day	Continuous	N/A
L1 – L5	M1 as depicted in Schedule 1 Layout map (prior to discharge to emission points)	pH ¹	pH units	Monthly	Spot sample, in accordance with AS/NZS 5667.10
		5-day Biochemical Oxygen Demand	mg/L		
		Total Suspended Solids			
		Total Nitrogen			
		Total Phosphorus	Cfu/100ml		
<i>E. coli</i>					
L1	None specified calculation	Load of Total Nitrogen	kg/ha/yr	Annual	N/A
		Load of Total Phosphorus			

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

Monitoring of outputs

- 15. The licence holder must undertake the monitoring in Table 7 and identified on the map of emission and monitoring points in Schedule 1 according to the specifications in that table.

Table 7: Monitoring of outputs

Input/Output	Monitoring point reference	Parameter	Units	Frequency
Treated wastewater discharge to L1 – Irrigation areas	Flow meter devices on outgoing pipelines	Volumetric flow rate (cumulative)	m ³ /d	Continuous
Treated wastewater				

Input/Output	Monitoring point reference	Parameter	Units	Frequency
discharge to L2 - Firefighting and training area				
Treated wastewater discharge to L3 - Aviation washdown facility				
Treated wastewater discharge to L4 - Emergency leach pond				
Treated wastewater discharge to L5 - Hydrant for water trucks for off-site use				
Treated wastewater discharge to L6 - Car hire premises				

Records and reporting

Records

- 16.** The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
- the name and contact details of the complainant, (if provided);
 - the time and date of the complaint;
 - the complete details of the complaint and any other concerns or other issues raised; and
 - the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 17.** The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
- the calculation of fees payable in respect of this licence;
 - any maintenance of infrastructure that is performed in the course of complying with condition 3 of this licence;
 - monitoring programmes undertaken in accordance with conditions 14 and 15 of this licence; and
 - complaints received under condition 16 of this licence.
- 18.** The books specified under condition 17 must:
- be legible;
 - if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

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- (c) be retained by the licence holder for the duration of the licence; and
- (d) be available to be produced to an inspector or the CEO as required.

Reporting

- 19.** The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period, and
 - (b) prepare and submit to the CEO an Annual Audit Compliance Report in the approved form by 1 March each year.
- 20.** The licence holder must:
- (a) prepare an Environmental Report that provides information in accordance with Table 8 for the preceding two annual periods, and
 - (b) submit that Environmental Report to the CEO by 1/03/2024 and biennially thereafter.

Table 8: Environmental reporting requirements

Condition or table	Requirement	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the annual period and any action taken	None specified
Table 6	pH, 5 Day Biochemical Oxygen Demand, Total Suspended Solids, Total Nitrogen, Total Phosphorus, <i>E.coli</i> and Volumetric flow rate	None specified
Table 6	Nutrient loading (kg/ha/day- monthly average and kg/ha/year total) to land (L1) of Nitrogen and Phosphorus	None specified
Table 7	Cumulative volumes to: Irrigation areas, Firefighting and training area, Aviation washdown facility, emergency leach pond, Hydrant for water trucks for off-site use and Car hire premises.	None specified
19	Compliance	None specified
16	Complaints summary	None specified

Definitions

In this licence, the terms in Table 9 have the meanings defined.

Table 9: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates are available on the Department's website).
annual period	a 12 month period commencing from 1 January until 30 December of the immediate year.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples.</i>
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters.</i>
averaging period	means the time over which a limit is measured or a monitoring result is obtained.
biennially	means every two years.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the department. “submit to / notify the CEO” (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
department; DWER	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
environmentally hazardous material	means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials

Term	Definition
	include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
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	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
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.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map(s) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
Schedule 1	means Schedule 1 of this licence unless otherwise stated.
Schedule 2	means Schedule 2 of this licence unless otherwise stated.
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
SBR	Sequential Batch Reactors
TWW	Treated Wastewater
UF	Ultrafiltration
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).



A	S-20.709804	E116.755533
B	S-20.707978	E116.768687
C	S-20.706241	E116.768708
D	S-20.704987	E116.782312
E	S-20.712895	E116.782613
F	S-20.714260	E116.769695
G	S-20.711610	E116.756992

Figure 1: Map of the boundary of the prescribed premises

L8773/2013/1 Amendment Date: 27 February 2026

IR-T06 Licence template (v10.0) (May 2024)

Emissions to Land map

The map below outlines emissions to land identified in Table 4 – L1.

Bayly Avenue Median Strips & Front Garden Bed



Airport Gardens Terminal Precinct



Car Park Area



Eastern Terminal End



Emissions to Land map

The map below outlines emissions to land identified in Table 4 – L2.



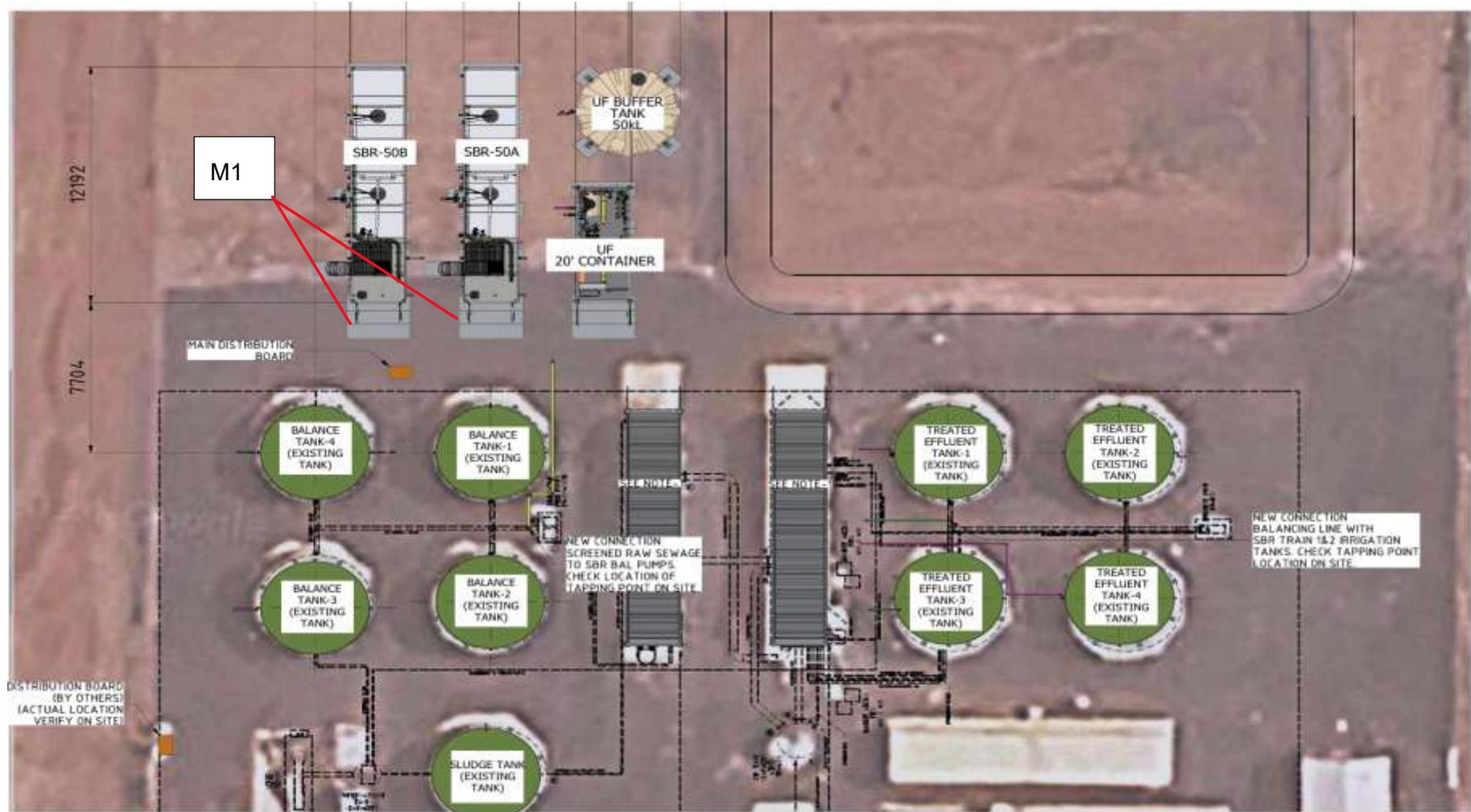
Emissions to Land map

The map below outlines emissions to land identified in Table 4 and 7 – L3 to L6



Premises Monitoring map

The map below outlines the WWTP monitoring map identified in Table 6



L8773/2013/1 Amendment Date: 27 February 2026

IR-T06 Licence template (v10.0) (May 2024)