



Licence number	L6071/1991/11
Licence holder	Water Corporation
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
DWER file number	DEC352/1, APP-0026521
Duration	1/12/2022 to 30/11/2042
Date of issue	30/11/2022
Date of amendment	07/04/2025
Premises details	Kellerberrin Water Resource Recovery Facility Rason Street KELLERBERRIN WA 6410 Legal description - Part of Lot 1 on Diagram 29615 and Lot 2 on Diagram 68517 As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 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.	210 cubic meters per day

This licence is granted to the licence holder, subject to the attached conditions, on 4 April 2025, by:

Grace Heydon

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

Licence history

Date	Reference number	Summary of changes
12/11/2014	L6071/1991/10	Licence reissued – conversion to REFIRE format
24/12/2015	L6071/1991/10	Administrative amendment of licence
21/04/2016	L6071/1991/10	Administrative amendment of licence
29/04/2016	L6071/1991/10	Expiry date amended to 30/11/2022
30/11/2022	L6071/1991/11	Licence renewed for twenty years including application of amendment of licence reporting requirements (Notice of amendment dated 16 May 2022)
07/04/2025	L6071/1991/11	Licence amendment to remove reference to Inflow (Raw Inlet Channel – S5000500) as a continuous flow monitor

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:

Premises operation

1. The licence holder must record and investigate the exceedance of any descriptive or numerical limit in this licence.
2. The licence holder must only accept waste on to the premises if:
 - (a) it is of a type listed in Table 1; and
 - (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 ¹
Sewage	210m ³ / day	Accepted through sewer inflows only.
Septage waste (sewage) – domestic wastes from apparatus for the treatment of sewage.	N/A	Tankered onto the premises and discharged into pond 1. Waste from Water Corporation infrastructure only.

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

3. The licence holder must ensure that wastes accepted onto the premises are only subjected to the process(es) set out in Table 2.

Table 2: Waste processing

Waste type	Process
Sewage	Separation of solids by passing through an Imhoff tank
	Physical and biological treatment
Sewage sludge	Sludge treatment and storage

4. The licence holder must ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure to the requirements specified in Table 3.

Table 3: Infrastructure

Vessel or compound	Material	Requirements
Imhoff tank (Sludge treatment tank)	Solids	Impermeable receptacle or storage chamber.
Pond 1	Wastewater	Clay lined to achieve a permeability of less than 10 ⁻⁹ m/s or equivalent.
Pond 2		
Sewage sludge compound	Sewage sludge	Temporary or permanent infrastructure to consist of a bunded hardstand or lined area (lined to achieve a permeability of less than 10 ⁻⁹ m/s or equivalent), capable of preventing the discharge of leachate or sludge to the environment and preventing the ingress of stormwater from the surrounds.

5. The licence holder must manage all wastewater treatment ponds such that:
 - (a) overtopping of the ponds does not occur;
 - (b) a freeboard equal to, or greater than, 300mm is maintained;
 - (c) the integrity of the containment infrastructure is maintained;
 - (d) trapped overflows are maintained on the outlet of ponds to prevent carry-over of surface floating matter; and
 - (e) vegetation and floating debris (emergent or otherwise) are prevented from growing or accumulating onto pond surfaces.
6. The licence holder must:
 - (a) implement security measures at the site to prevent as far as is practical unauthorised access to the site;
 - (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.

Monitoring

General monitoring

7. The licence holder must ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
 - (c) all microbiological samples are collected and preserved in accordance with AS 2031; and
 - (d) all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured unless indicated otherwise in the relevant table.

Monitoring of inputs and outputs

8. The licence holder must undertake the monitoring in Table 4 according to the specifications in that table.

Table 4: Monitoring of inputs and outputs

Input/ Output	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Sewage – Inlet flow	N/A	Volume (monthly average of daily volume)	m ³ /day	Monthly	Monthly
Septage wastes (sewage) – domestic wastes from apparatus for the treatment of sewage	None specified	Volume (cumulative) of Controlled Waste (by category) received at WRRF)	m ³ /day; or ML/day	Monthly	Each load received at the facility
Treated wastewater discharged to Shire storage for irrigation	Outflow meter (M1)	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous

Process monitoring

9. The licence holder must undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Process monitoring

Monitoring point reference and location	Process description	Parameter	Units	Averaging period	Frequency	Method
Sampling Point - Kellerberrin final effluent discharge – as shown in Figure 2	Discharge from wastewater treatment plant to Shire storage dam/pond	Volumetric flow rate (cumulative)	L/s or m ³ /day	Monthly	Continuous	None specified
		pH ¹	-	Spot sample	Quarterly	None specified
		Biochemical Oxygen Demand	mg/L			
		Total Nitrogen				
		Total Phosphorus				
		Total suspended solids	mg/L			
		Total dissolved solids	mg/L			
<i>Escherichia Coli</i>	cfu/100 ml					

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

Records and reporting

- 10.** 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:

 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 11.** 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 by 1 October in each year an Annual Audit Compliance Report in the approved form.
- 12.** The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:

 - (a) the calculation of fees payable in respect of this licence;
 - (b) monitoring programmes undertaken in accordance with conditions 8 and 9 of this licence; and
 - (c) complaints received under condition 10 of this licence.
- 13.** The books specified under condition 12 must:

 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (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.

14. The licence holder must submit to the CEO by 1 October 2023 and biennially thereafter, an Environmental Report for that reporting period for the conditions listed in Table 6, and which provides information in accordance with the corresponding requirements set out in Table 6.

Table 6: Environmental Report

Condition	Requirement
1	Summary of any treatment capacity limit exceedances and any action taken.
5(b)	Summary of any freeboard exceedances and any action taken.
8	Monitoring of inputs and outputs. A water balance must be provided to demonstrate how daily sewage inflow volumes have been determined. Detailed calculations demonstrating how the daily sewage inflow for each month of each annual period have been calculated must be provided, accounting for seasonal variability.
9	Contaminant loading (kg/day – monthly average and total annual loading kg/yr to Shire storage pond for irrigating sports ovals) for parameters monitored in Table 5 (except pH and <i>E. coli</i>)
10	Complaints summary

15. The licence holder must ensure that the Environmental Report also contains:
- (a) any relevant process, production or operational data recorded under condition 9; and
 - (b) an assessment of the information contained within the report against previous monitoring results and licence limits and/or targets.

Notification

16. The licence holder must ensure that the parameters listed in Table 7 are notified to the CEO in accordance with the notification requirements of the table.

Table 7: Notification Requirements

Condition	Parameter	Notification requirement ¹
-	Taking process equipment offline for maintenance works that may result in increased odour emissions	No less than 72 hours in advance of works

Note 1: No notification requirement in the licence shall negate the requirement to comply with s72 of the Act.

Definitions

In this licence, the terms in Table 8 have the meanings defined.

Table 8: Definitions

Term	Definition
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
AS	refers to the relevant Australian Standard.
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. "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
controlled waste	has the definition in <i>Environmental Protection (Controlled Waste) Regulations 2004</i> .
Department	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.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
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.
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 (Figure 1) in Schedule 1 to this licence.
process equipment	means any wastewater or sludge containment infrastructure or wastewater treatment vessel
quarterly	means the four inclusive periods from 1 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March

Term	Definition
spot sample	means a discrete sample representative at the time and place at which the sample is taken
wastewater treatment vessels	means any vessel or tank containment infrastructure associated with the treatment of wastewater

END OF CONDITIONS

Schedule 1: Maps

Premises map

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

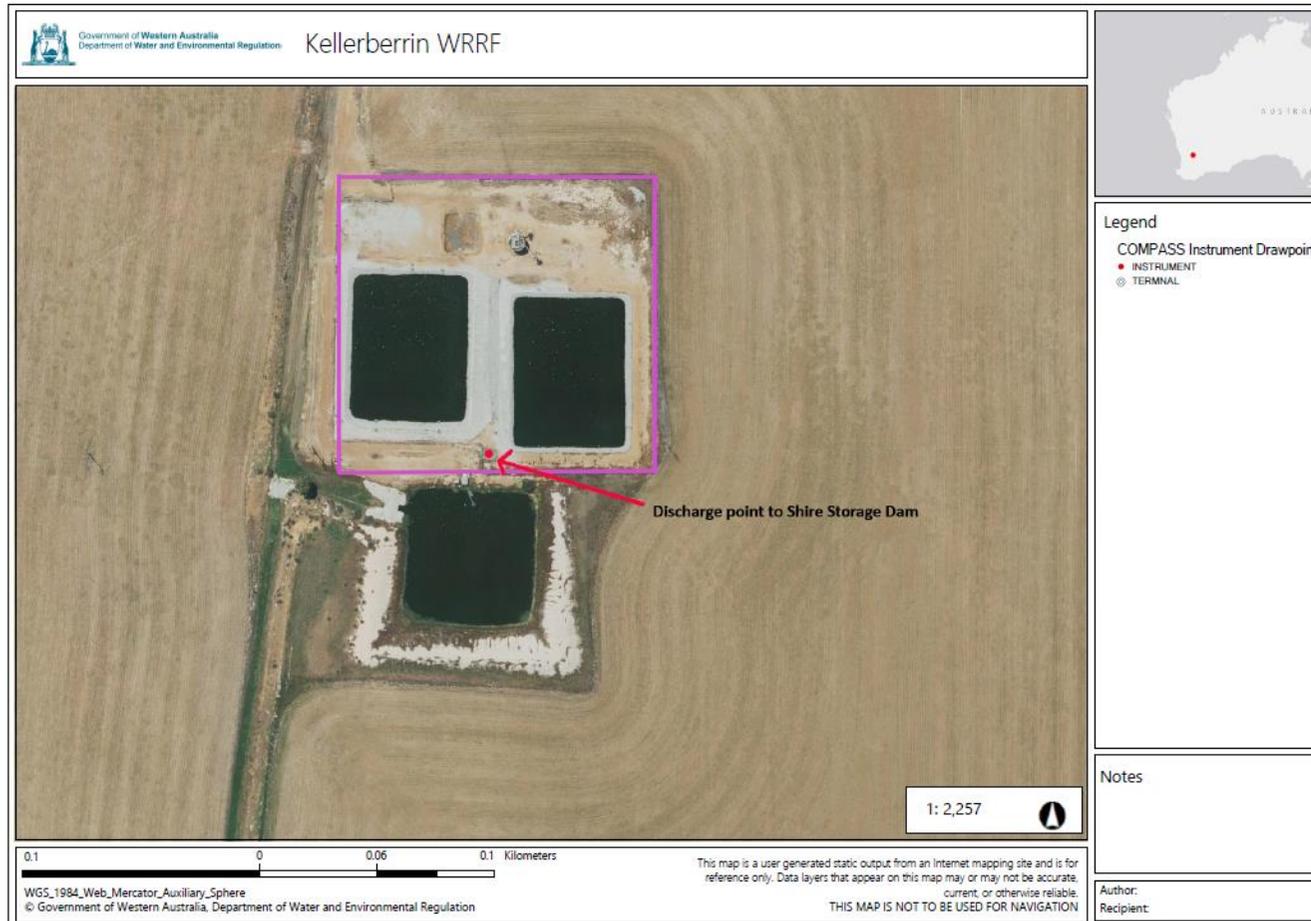
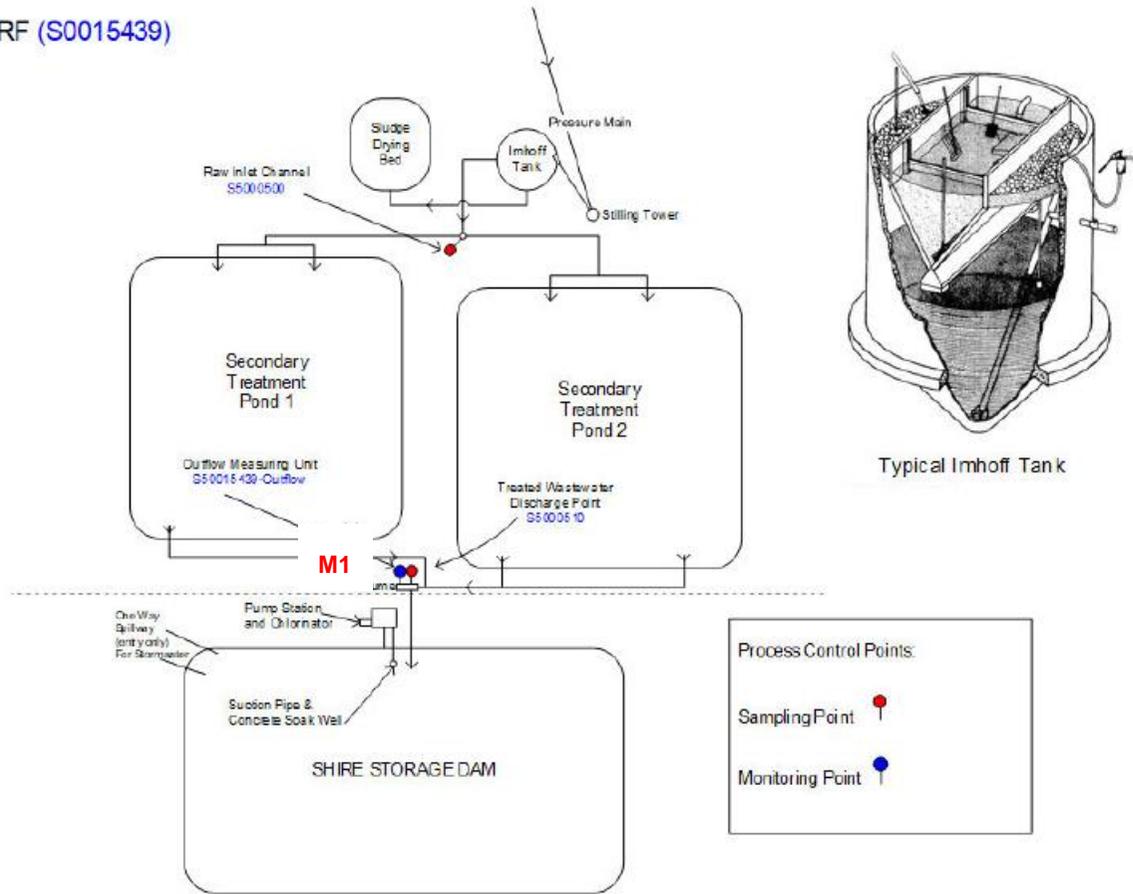


Figure 1: Map of the boundary of the prescribed premises

Kellerberrin WRRF (S0015439)



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Kellerberrin WWTP Process Control Table

Figure 2: Site layout and process diagram

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 9

Table 9: Premises boundary coordinates (GDA94)

Easting	Northing
31.641134	117.720273
31.641134	117.721647
31.642211	117.721655
31.642211	117.720271