



Licence number	L8021/2003/5
Licence holder	Water Corporation
Registered business address	John Tonkin Water Centre 629 Newcastle St Leederville WA 6007
DWER file number	2011/009091-1
Duration	01/11/2015 to 31/10/2030
Date of issue	1/11/2015
Date of amendment	23/08/2023
Premises details	Walpole Water Resource Recovery Facility Lot 13772 on Plan 29805, Chugg Street Lot 11684 on Plan 157152, Lot 11685 on Plan 157152 and Lot 4 on Diagram 36802, Allen Road WALPOLE WA 6398 as depicted in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / 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.	200 m ³ per day

This licence is granted to the licence holder, subject to the attached conditions, on 23 August 2023, by:

Sarah Cross
**A/SENIOR ENVIRONMENTAL OFFICER
INDUSTRY REGULATION**
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Licence history

Date	Reference number	Summary of changes
01/11/2005	L8021/2003/1	Licence granted.
01/11/2007	L8021/2003/2	Licence renewal
01/11/2009	L8021/2003/3	Licence renewal
01/11/2012	L8021/2003/4	Licence renewal
12/05/2015	L8021/2003/5	Licence renewal
29/04/2016	L8021/2003/5	Notice of amendment of Licence expiry dates to 31 October 2030
23/08/2023	L8021/2003/5	Amendment to altering the due date for the environmental report and annual audit compliance report, to be 1 October annually.

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:

1. The licence holder must:
 - (a) ensure any waste accepted to the inlet works on to the Premises is sewage waste from the reticulated sewerage system; and
 - (b) not cause or allow the acceptance of wastewater to the Premises greater than the limit of 200 m³/ day as measured at reference point M1 (as depicted in Schedule 1).
2. The licence holder must manage the wastewater treatment system such that:
 - (a) overtopping of the wastewater treatment vessels does not occur;
 - (b) overtopping of the hardstand for sludge/geobag dewatering does not occur;
 - (c) there is no seepage loss from the wastewater treatment vessels;
 - (d) there is no seepage loss from the hardstand for sludge/geobag dewatering;
 - (e) leachate from the hardstand for sludge/geobag dewatering is returned to the wastewater treatment system; and
 - (f) the volumetric flow meters located at the monitoring locations M1, M2 and M5 as depicted in Schedule 1 are maintained to the manufacturer's specifications.
3. The licence holder must only direct:
 - (a) treated wastewater via the effluent pressure main from the treated effluent pumps to the storage dam as depicted in Schedule 1; or
 - (b) wastewater from the wastewater treatment system to the infiltration trench as depicted in Schedule 1 in a breakdown or emergency situation

Monitoring

4. The licence holder must undertake the monitoring in Table 1 according to the specifications in Table 1.

Table 1: Inputs, emissions and discharges monitoring

Sampling location	Sampling location description	Parameters to be analysed ¹	Sampling frequency	Method
M1 and M2 (as depicted in Schedule 1)	Inflow and outflow to wastewater treatment plant	Volumetric flow rate (cumulative) ²	Continuous	None specified
M3 (as depicted in Schedule 1)	Discharge from the IDEA plant to the equalisation tank	pH ²	Monthly (Spot Sample)	AS/NZS 2031; AS/NZS 5667.1; and AS/NZS 5667.10
		Ammonium (NH ₄)		
		Nitrate + nitrite – nitrogen		
		Total aluminium		

		Total biochemical oxygen demand		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
		Total suspended solids		
M4 (as depicted in Schedule 1)	Outlet from under-storage dam drainage	Total dissolved solids	Monthly (Spot Sample when flowing)	AS/NZS 2031; AS/NZS 5667.1; and AS/NZS 5667.10
		Total nitrogen		
		Total phosphorus		
M5 (as depicted in Schedule 1)	Discharge from the storage dam to the irrigation area	Volumetric flow rate (cumulative) ²	Monthly (Spot Sample)	AS/NZS 2031; AS/NZS 5667.1; and AS/NZS 5667.10
		<i>Escherichia coli</i>		
		pH ²		
		Ammonium (NH ₄)		
		Nitrate + nitrite – nitrogen		
		Total aluminium		
		Total biochemical oxygen demand		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
		Total suspended solids		

Note 1: With the exception of pH, *E. coli* and volumetric flow rate, all measurements are to be reported in mg/L.

Note 2: In-field non-NATA accredited analysis permitted.

5. The licence holder must undertake the ambient environmental monitoring in Table 2 according to the specifications in Table 2.

Table 2: Ambient environmental monitoring

Sampling location	Sampling location description	Parameters to be analysed ¹	Sampling frequency	Method
GQ1, GQ2, GQ3 and GQ4 (as depicted in Schedule 1)	Groundwater bore monitoring	pH ²	Quarterly	AS/NZS 5667.1; and AS/NZS 5667.11
		Standing water level (metres AHD) ²		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
WQ1 and WQ2 (as depicted in Schedule 1)	Surface water monitoring	pH ²	Monthly (Spot Sample when flowing)	AS/NZS 5667.1; and AS/NZS 5667.6'
		Escherichia coli		
		Total biochemical oxygen demand		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
		Total suspended solids		

Note 1: With the exception of pH, *E. coli* and SWL (metres AHD), all measurements are to be reported in mg/L.

Note 2: In-field non-NATA accredited analysis permitted.

6. The licence holder must ensure that all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured, unless indicated otherwise in Table 1 and Table 2.

7. The licence holder must complete the improvements in Table 3 by the date of completion in Table 3.

Table 3: Improvement Program

Improvement reference	Improvement	Date of completion
IR1	<p>The Licence Holder must submit to the CEO a decommissioning management plan for the Premises and infiltration trench which:</p> <ol style="list-style-type: none"> 1. details the removal of all plant and infrastructure; 2. details the rehabilitation of disturbed areas; 3. identifies areas of potential contamination requiring further investigation; 4. assesses estuary, groundwater and surface water quality and vegetation health within areas impacted by the operation of the Premises and the Allen Road Irrigation Treefarm; and 5. details how the decommissioning management plan is incorporated within the Environmental Management System for the Premises. 	No less than 12 months prior to the planned commencement of decommissioning

Reporting

8. The licence holder must submit the information in Table 4 to the CEO according to the specifications in Table 4.

Table 4: Non-annual reporting and notification requirements

Condition and/or table	Parameter	Notification requirement	Reporting period	Reporting date (after the end of the reporting period)
Condition 1	Limit exceedances	None applicable	Monthly	7 calendar days
Condition 3(b)	Discharge to the infiltration trench	As soon as practicable but no later than 5pm of the next working day	None applicable	None applicable
-	Any failure or malfunction or any incident which has caused, is causing or may cause pollution	As soon as practicable but no later than 5pm of the next working day	None applicable	None applicable

9. The licence holder must:
- (a) prepare an environmental report that provides information in accordance with Table 5 for the preceding annual period, and
 - (b) submit the environmental report to the CEO by 1 of October each year.

Table 5: Environmental reporting requirements

Condition	Requirement
-	a discussion of the operation of the project, compliance with conditions and its environmental performance to date
-	all monitoring data or other collected data required by any condition of this Licence (data shall be provided in tables and in graphical format displaying a minimum of five year data trends where available)
-	a summary of discharges to the irrigation trench including the dates that the discharge occurred and the volumes discharged
-	an assessment of all monitoring data against any targets, limits and applicable guidelines and standards detailed within this Licence
-	any changes to site boundaries, locations of monitoring sites, surface drainage channels, tenure and maintenance upgrades to the Premises
-	a list of any monitoring methods used to collect and analyse data required by any condition of this Licence
Condition 4, Table 1 Condition 6	the monthly load (as kilograms per day) of the parameters in the wastewater discharged from the Allen Road Irrigation Treefarm using monthly average flow-weighted data and parameter concentrations
-	a summary of the number and type of environmental complaints received by the Licence Holder

10. 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 of October each year

Definitions

In this licence, the terms in Table 6 have the meanings defined.

Table 6: Definitions

Term	Definition
AHD	means the Australian height datum
Allen Road Irrigation Treefarm	means the location Lot 11684 and Lot 11685 on Plan 157152, Allen Road, Walpole Western Australia as defined in the Premises Map in Schedule 1
annual period	a 12-month period commencing from 1 st of July until 31 st June of the immediately following year.
applicable guidelines and standards	means: <ul style="list-style-type: none"> (i) Australian and New Zealand Environment and Conservation Council and Agricultural and Resource Management Council of Australia and New Zealand 2000, <i>Australian and New Zealand guidelines for fresh and marine water quality Volume 1</i>, specifically the values for a south-west Australian slightly disturbed ecosystem lowland river and estuaries (Table 3.3.6); and (ii) Department of Environment and Conservation 2010, Contaminated site management series assessment levels for soils sediment and water, Government of Western Australia
approved form	means the Annual Audit Compliance Report (AACR) form template approved by the CEO for use and available via DWER's external website.
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 5667.6	means the Australian Standard AS/NZS 5667.6 <i>Water Quality – Sampling – Guidance on sampling of rivers and streams</i>
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters</i>
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 <i>Water Quality – Sampling – Guidance on sampling of groundwaters</i>
averaging period	means the time over which a limit or target is measured or a monitoring result is obtained
books	has the same meaning given to that term under the EP Act.

Term	Definition
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	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.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
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.
malfunction	means to fail to work or operate correctly and includes the failure or incorrect operation of any part of the wastewater treatment system
monthly period	means a one-month period commencing from first day of a month until last day of that same month.
NATA	means National Association of Testing Authorities, Australia
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 in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
quarterly	means the 4 inclusive periods from 1 July to 30 September, 1 October to 31 December and 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
spot sample	means a discrete sample representative at the time and place at which the sample is taken

Term	Definition
storage dam	means the dam located at the Allen Road Irrigation Treefarm
treated wastewater	means wastewater that has been treated by the wastewater treatment system; and
waste	has the same meaning given to that term under the EP Act.
wastewater treatment system	means the system from treating wastewater at the Premises which comprises of the macerator or spiral screw screen, bioselector, alum and caustic dosing, intermittent decant extended aeration, aerobic digester, equalisation and geobag sludge drying with leachate return and all pumps

END OF CONDITIONS

Schedule 1: Maps

Premises map

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

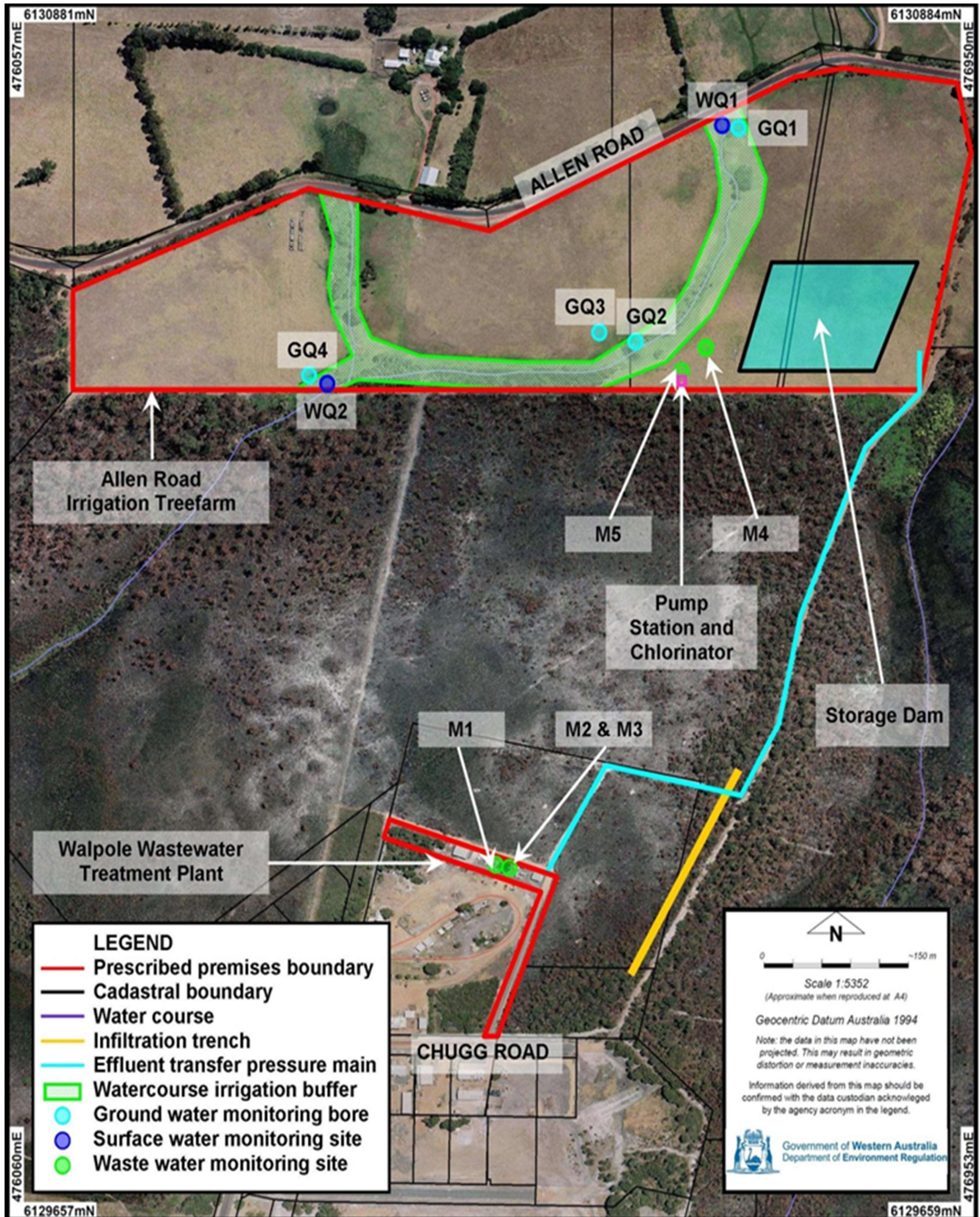


Figure 1: Map of the boundary of the Walpole Water Resource Recovery Facility prescribed premises

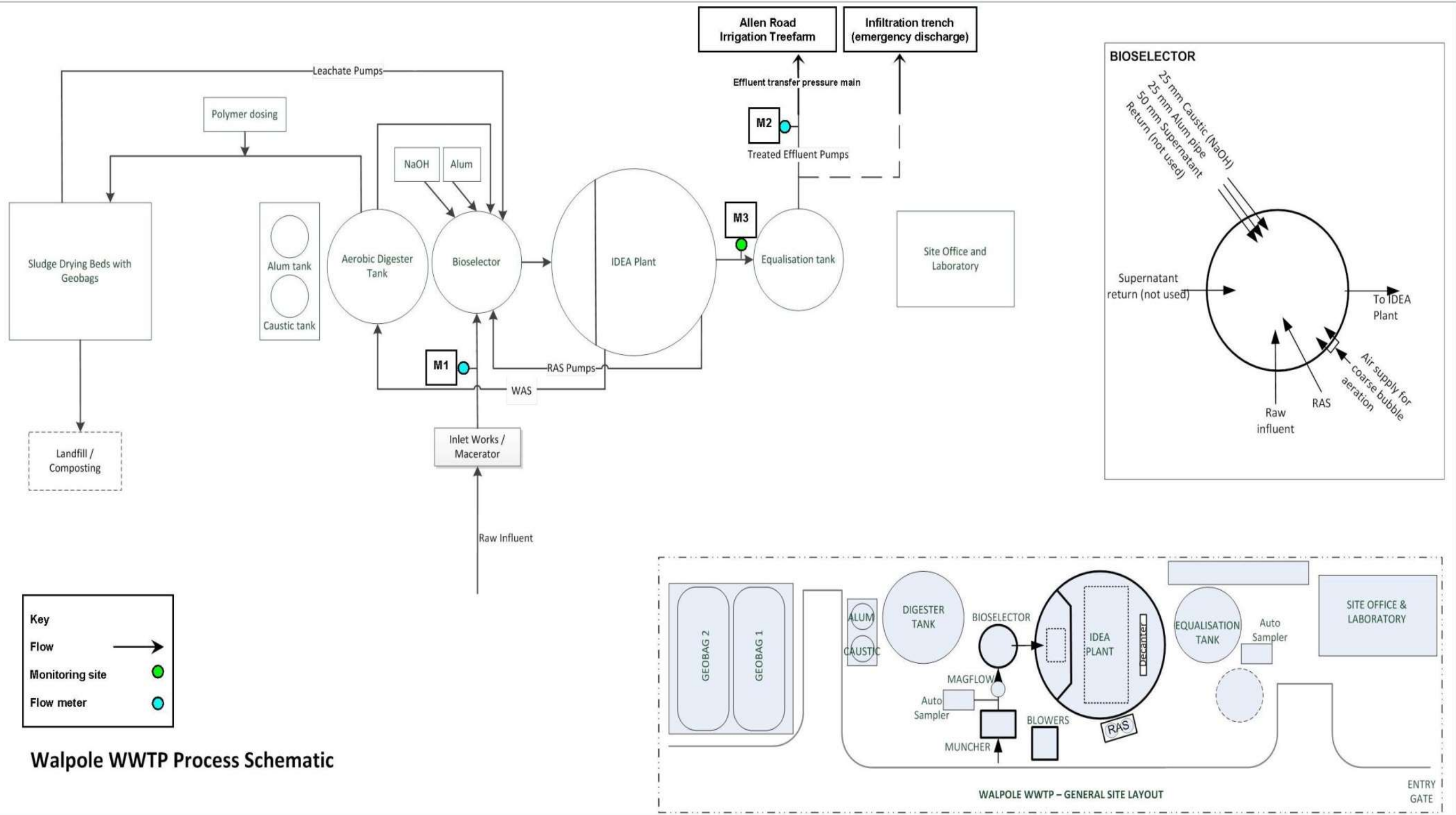


Figure 2: Walpole Water Resource Recovery Facility infrastructure schematic