Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number	L9034/2017/1
Licence holder	Water Corporation
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
DWER file number	DER2017/000181
Duration	13/10/2017 to 12/10/2037
Date of issue	13/10/2017
Date of amendment	08/05/2024
Premises details	Advanced Water Recycling Plant Ocean Reef Road, CRAIGIE WA 6025 Legal description - Part of Lot 8278 on Plan 30778 As defined by the coordinates in Schedule 1.

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed design capacity**
Category 54 Sewage facility: premises – (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharge onto land or into waters.	Category 54(a): 51.1 GL/Year Category 54(b): 28 GL/Year

This licence is granted to the licence holder, subject to the attached conditions, on 08/05/2024, by:

Adam Harbeck

Digitally signed by Adam Harbeck
Date: 2024.05.08 12:36:19 +08'00'

Adam Harbeck
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
13/10/2017	L9034/2017/1	Licence granted for Stage 1 of the AWRP
05/05/2020	L9034/2017/1	Licence amendment to incorporate Stage 2 of the AWRP
19/05/2020	L9034/2017/1	DWER initiated amendment to correct administrative errors in amended Licence.
23/09/2020	L9034/2017/1	Licence amendment extending the timeframes required to undertake noise monitoring and commissioning of the recharge bores.
20/04/2021	L9034/2017/1	Licence amendment extending the timeframes required to undertake noise monitoring and commissioning of the (Stage 2) recharge bores for reinjection of treated waste water into the Leederville and Yarragadee aquifers.
09/04/2024	L9034/2017/1	Licence amendment to authorise the operation of the Stage 2 recharge bores, remove noise monitoring requirements, and authorise bore remediation as required over the lifetime of recharge bores, clarify groundwater monitoring program reporting requirements and correct unintentional errors.
08/05/2024	L9034/2017/1	Department initiated amendment to correct Action Criteria pH trigger value.

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.

Conditions

Infrastructure and equipment

1. The Licence Holder must ensure that the infrastructure and equipment specified in Column 1 of Table 1 is maintained in good working order and operated in accordance with the requirements specified in Column 2 of Table 1. Infrastructure is shown on the Premises map in Schedule 1.

Table 1: Infrastructure and equipment controls table

Column 1	**Column 2**
Site infrastructure and equipment	**Operational requirements**
Advanced Water Recycling Plant (AWRP) building	Independent buildings enclosing separate Stage 1 and Stage 2 treatment process on a concrete hardstand with bunding and drainage.
Feed water system	System consisting of a feed water intake structure balance tanks and associated pumps and pipework to transfer, and store treated wastewater from the Beenyup WWTP. Critical Control Points (CCP) must be in place with the capacity to divert poor quality feedwater from the feed water system prior to entering the AWRP.
Pre-treatment and Mechanical screening system	Capable of pre-treating feed water by filtering through screens and pre-treatment filters. A drinking-water disinfectant must be used to protect the Ultrafiltration and Reverse Osmosis membranes from biofouling. A drinking water approved anti-scalant must be dosed to the RO feed water to inhibit scaling.
Treatment Infrastructure (two separate treatment processes, one contained in each Stage 1 and 2 treatment process)	
Ultrafiltration (UF) system	Consisting of ultrafiltration membranes, hot water tank, recirculation pump and chemical dosing system and critical control points (CCPs). CCPs must be utilised to monitor performance of the UF system with capacity to divert water to waste if all operating criteria of the CCP's are not met.
Reverse Osmosis system	Consisting of high-pressure pumps, two stage array of Reverse Osmosis (RO) membrane racks and a chemical clean-in-place system. The RO system must be capable of removing dissolved salts from the feed water. CCP's must be in place to monitor performance of the RO system with capacity to divert water to waste if all operating criteria of the CCP's are not met.

Column 1	Column 2
Site infrastructure and equipment	**Operational requirements**
Ultraviolet (UV) disinfection system	UV disinfection system must be capable of inactivating pathogens from the process water. CCPs must be in place to monitor performance of the UV system with capacity to divert water to waste if all operating criteria of the CCPs are not met.
Chemical storage, dosing, and dilution facilities	For the storage of chemicals and hazardous materials utilised in the AWRP treatment process and maintenance. All chemicals and hazardous materials must be stored in accordance with Australian Standard 3780.
Waste Retention Sump	Capable of storing reject water generated from the AWRP and feeding it to either the Beenyup Ocean Outfall or returning to the Beenyup WWTP via sewer.
Recycled Water Management	
Recycled Water storage tank	Capable of holding the Recycled Water produced from the AWRP. CCP must be in place to monitor performance of the final water quality prior to pumping for aquifer recharge with the capacity to divert water to waste if all operating criteria of the CCP are not met.
Recharge bores • LRB1 • LRB2 • LRB3 • LRB4 • LRB5 • YRB1 • YRB2 • YRB3	Eight recharge bores capable of injecting Recycled Water into the Yarragadee and Leederville aquifers. Recharge bore development/remediation is carried out as required and in accordance with the *Minimum Construction Requirements for Water Bores in Australia* <u>Beenyup Recharge:</u> • LRB1 - DN 400 FRP casing. Screened at 122 – 224 metres below ground level (mbgl), with DN 250 stainless steel (0.5mm aperture) screen • LRB2 - DN 500 FRP casing. Screened at 134.3 – 236 mbgl with DN 250 stainless steel (0.5mm aperture) screen • LRB3 - DN 500 FRP casing. Screened at 132.3 – 236 mbgl with DN 400 stainless steel (0.5mm aperture) screen • YRB1 – DN 400 FRP casing, Screened at 390.5 – 444.5, 450.5 – 486.5, 603.5 – 675.5, and 690.5 – 744.5 mbgl. <u>Southern Recharge:</u> • LRB4 – DN350 Fibreglass GRE casing. Screened at 165 – 388 mbgl with stainless steel (0.5mm aperture) screen • YRB2 - DN350 Fibreglass GRE casing. Screened at 843 – 1201

Column 1	Column 2
Site infrastructure and equipment	**Operational requirements**
	mbgl with stainless steel (0.3mm aperture) screen <u>Northern Recharge:</u> • LRB5 – DN350 Fibreglass GRE casing. Screened at 136 – 394 mbgl with stainless steel (0.5mm aperture) screen • YRB3 – DN350 Fibreglass GRE casing. Screened at 954 – 1335 mbgl with stainless steel (0.3mm aperture) screen
Pumping systems and pipework	High-pressure pump or gravity and conveyance system feeding each recharge bore. The pumping and pipework includes a cross connection which, if used, will allow transfer of some recycled water between each stage.
Ambient groundwater monitoring bores: • LMB1 • LMB2 • LMB3 • LMB4 • LMB5 • YMB1 • YMB2 • YMB3	A minimum of one monitoring bore is to be located 50-100m from each recharge bore, indicative of water quality at the boundary of the Recharge Management Zone (250m). <u>Beenyup Recharge Site:</u> • LMB1 - DN115 FRP Casing, Screened at 125.1 – 221.4 mbgl • LMB2 - DN115 FRP Casing, Screened at 131.1 – 237.7 mbgl • LMB3 - DN115 FRP Casing, Screened at 131.5 – 237.7 mbgl • YMB1 - Screened at 389.5 – 442.47, 460.5 – 487.1, 605.5 – 676 and 690.6 – 743.8 mbgl. <u>Southern Recharge Site:</u> • YMB2 – DN125 SS casing, Screened at 843 – 1201 mbgl with 316SS 0.3mm aperture screen • LMB4 – DN125 SS casing, Screened at 199 – 495 mbgl with 316SS 0.3mm aperture screen <u>Northern Recharge Site:</u> • YMB3 – DN125 SS casing, Screened at 835 – 1365 mbgl with 316SS 0.3mm aperture screen • LMB5 – DN125 SS casing, Screened at 128 – 404 mbgl, with 316SS 0.3mm aperture screen

Recharge Monitoring

2. The Licence Holder must undertake process monitoring:

(a) at the locations specified in Column 1;

(b) for the parameters specified in Column 2;

(c) at the frequency specified in Column 4; and

(d) using the methods specified in Columns 5 and 7;

as outlined in Table 2.

Table 2: Recharge monitoring

Column 1		Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Location		**Parameter**	**Units**	**Frequency**	**Averaging period**	**Limit**	**Method**
1	Recycled Water recharged into LRB1 LRB2 LRB3 LRB4 LRB5 YRB1 YRB2 YRB3	Volume	ML/day	Continuous	Cumulative annual	28GL/year	Bore magflow meters
2	Feed Water received into the AWRP (Feed Water SP251)	Volume	ML/day	Continuous	Monthly	n/a	AWRP Inflow Meter
3	Reject Water Disposal	Volume	ML/day	Continuous	Monthly	n/a	AWRP Reject Water Outflow determined by the sum of individual waste flows from each of the component in the AWRP and from the Beenyup Ocean Outfall meter.
4	Recharge Pump Station (Recycled Water SP259 and SP359)	Nitrate as nitrogen[1]	mg/L	Monthly	Spot sample	11	AS/NZS 5667.10
		TDS[1]				600	
		Boron[1]				4	
		Redox potential	mV			n/a	
		Phosphate (filterable reactive)[1]	mg/L	Annually	Spot sample	n/a	
		Sulfate[1]				500	
		Uranium[1]				0.02	
		Lead (soluble)[1]				0.01	

Column 1		Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Location		**Parameter**	**Units**	**Frequency**	**Averaging period**	**Limit**	**Method**
		Cadmium[1]				0.002	
		Copper[1]				2	
		Zinc[1]				3	
		pH	pH units	Continuous	n/a	6.0 - 8.5	

[1]Analysis must be conducted by a laboratory with National Association of Testing Authorities accreditation for this parameter.

3. The Licence Holder must ensure that emissions and discharges from the locations listed in Table 2 for the corresponding parameter do not exceed the corresponding limit when monitored in accordance with condition 2.

Recharge Management Zone monitoring program

4. The Licence Holder must undertake ambient aquifer pressure monitoring:

(a) at the locations specified in Column 1;

(b) for the parameters specified in Column 2;

(c) at the frequency specified in Column 4; and

(d) using the methods specified in Column 6;

as outlined in Table 3.

Table 3: Aquifer pressure monitoring

Column 1		Column 2	Column 3	Column 4	Column 5	Column 6
Location		**Parameter**	**Units**	**Frequency**	**Limit**	**Method**
1	LMB1 LMB2 LMB3 LMB4 LMB5 YMB1 YMB2 YMB3	Aquifer pressure (potentiometric level)	mAHD	Continuous	Potentiometric potential must not exceed a maximum recharge head of 135mAHD	Water level transducer

5. The Licence Holder must manage discharges to recharge bores to ensure that aquifer pressure at the monitoring locations listed in Table 3 does not exceed the corresponding limit when monitored in accordance with condition 4.

6. The Licence Holder must undertake groundwater quality monitoring:

(a) at the locations specified in Column 1;

(b) for the parameters specified in Column 2;

(c) at the frequency specified in Column 4; and

(d) using the methods specified in Columns 5 and 7;

as outlined in Table 4.

Table 4: Groundwater quality monitoring

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Sampling Point	**Parameter**	**Units**	**Frequency**	**Averaging period**	**Action Criteria**	**Method**
LMB1 LMB2 LMB3 YMB1	Nitrate as nitrogen	mg/L	Biannual	Spot samples	11	AS/NZS 5667.11
	TDS				600 (YMB1, 1320 (LMB1, LMB2, LMB3)	
	Lead (soluble)				0.01	
	Boron				4	
	Cadmium				0.002	
	Copper				2	
	Zinc				3	
	Phosphate (filterable reactive)				n/a	
	Sulfate				500	
	Uranium				0.02	
	Cobalt				n/a	
	Nickel				n/a	
	pH[1]	pH units			n/a	
	Redox potential[1]	mV			n/a	
LMB4 LMB5 YMB2 YMB3	Nitrate as nitrogen	mg/L	Quarterly until December 2024 Biannual after December 2024	Spot samples	11	AS/NZS 5667.11
	TDS				600 (LMB4 and LMB5) 869 (YMB2) 704 (YMB3)	
	Lead (soluble)				0.01	
	Boron				4	
	Cadmium				0.002	
	Copper				2	
	Zinc				3	
	Phosphate (filterable reactive)				n/a	
	Sulfate				500	
	Uranium				0.02	

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Sampling Point	**Parameter**	**Units**	**Frequency**	**Averaging period**	**Action Criteria**	**Method**
	Cobalt				n/a	
	Nickel				n/a	
	pH[1]	pH units			n/a	
	Redox potential[1]	mV			n/a	

Note 1: Non-NATA accredited analysis permitted.

7. The Licence Holder must manage discharges to recharge bores to ensure that groundwater concentrations at the sampling points listed in Table 4 for the corresponding parameter do not exceed the corresponding Action Criteria when monitored in accordance with Condition 6.

8. The Licence Holder must ensure that if monitoring undertaken in accordance with Condition 7 indicates an exceedance of the Action Criteria outlined in Table 4 for the corresponding parameter in any groundwater monitoring bore;

(a) an investigation is carried out to determine the cause of the exceedance with an assessment of risks to the environment; and

(b) the CEO is notified within 40 days and any actions taken to correct the exceedance specified.

9. The Licence Holder must, if monitoring undertaken in accordance with Condition 6 indicates an exceedance of the Action Criteria specified in Table 5 for the corresponding parameter, carry out an investigation to determine the cause of the exceedance with an assessment of risks to the environment and record the results of this investigation.

Table 5: Cobalt, nickel and pH Action Criteria

Parameter	Action Criteria
Cobalt	0.001 mg/L
Nickel	0.02 mg/L
pH	<6.0 and >8.5

Stage 1 and 2 groundwater monitoring validation

10. The Licence Holder must prepare and submit a Stage 1 Groundwater Review Report to the CEO by 30 September 2024.

11. The Stage 1 Groundwater Review Report pursuant to condition 10 must be informed by the results of previous groundwater monitoring conducted within the vicinity of recharge bores LRB1, LRB2, LRB3 and YRB1, and assess the following:

(a) whether a 250 m radial boundary around each Stage 1 recharge bore represents a suitable areal extent for the Recharge Management Zone;

(b) whether groundwater quality at monitoring bores LMB1, LMB2, LMB3 and YMB1 is representative of groundwater quality at the boundary of the respective Recharge Management Zones or if additional monitoring bores are needed to characterise groundwater quality at the boundary of these Recharge Management Zones;

(c) the likelihood that injection of recycled water into recharge bores LRB1, LRB2, LRB3 and YRB1 will cause migration of recycled water into the superficial aquifer and any potential adverse environmental outcomes that may result from this migration;

(d) whether the Yarragadee aquifer exhibits a similar reactive geochemical response to recharge of recycled water compared to the Leederville aquifer; and

(e) the suitability of the monitoring programs as specified in conditions 2, 4 and 6 for the purpose of ongoing operational monitoring for the Stage 1 recharge scheme.

12. The Licence Holder must prepare and submit a Stage 2 Groundwater Review Report to the CEO by 31 March 2025.

13. The Stage 2 Groundwater Review Report pursuant to condition 12 must be informed by the results of previous groundwater monitoring conducted within the vicinity of recharge bores LRB4, LRB5, YRB2 and YRB3, and assess the following:

(a) whether a 250 m radial boundary around each Stage 2 recharge bore represents a suitable areal extent for the Recharge Management Zone;

(b) whether groundwater quality at monitoring bores LMB4, LMB5, YMB2 and YMB3 is representative of groundwater quality at the boundary of the respective Recharge Management Zones or if additional monitoring bores are needed to characterise groundwater quality at the boundary of these Recharge Management Zones;

(c) the likelihood that injection of recycled water into recharge bores LRB4, LRB5, YRB2 and YRB3 will cause migration of recycled water into the superficial aquifer and any potential adverse environmental outcomes that may result from this migration;

(d) whether the Yarragadee aquifer exhibits a similar reactive geochemical response to recharge of recycled water compared to the Leederville aquifer; and

(e) the suitability of the monitoring programs as specified in conditions 2, 4 and 6 for the purpose of ongoing operational monitoring for the Stage 2 recharge scheme.

Record-keeping and reporting

14. 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 no later than 1 October for each annual period an Annual Audit Compliance Report in the approved form.

15. The Licence Holder must submit to the CEO by no later than 31 March for each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 6, and which provides information in accordance with the corresponding

requirement set out in Table 6.

Table 6: Annual Environmental Report

Condition	Requirement
-	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.
2	Summary of recharge bore development and/or remediation that has occurred including demonstration that this has been in accordance with the *Minimum Construction Requirements for Water Bores in Australia*
3 and 4	Recharge monitoring report (as outlined in condition 16)
5 and 7	Recharge management zone monitoring report (as outlined in condition 17)
9	Outcome of investigations into Cobalt, Nickel and pH action criteria exceedances
19	Summary of complaints received

16. The Licence Holder must submit to the CEO with the Annual Environmental Report required by condition 15, a recharge monitoring report demonstrating their compliance with condition 2 for the preceding annual period, and must include:

(a) a clear statement of the scope of work carried out;

(b) a description of the monitoring and sampling methodologies employed;

(c) a summary of the quality assurance / quality control (QA/QC) measures implemented and an assessment of the reliability of results;

(d) a tabulated summary of results;

(e) an interpretive summary and assessment of the results against limits specified in this licence and previous monitoring results;

(f) information about Reportable Events relating to process limits specified in Table 2, including:

(i) the date of the Reportable Event;

(ii) raw monitoring data for the Reportable Event in tabulated form;

(iii) assessment of whether the data is correct (no instrument fault);

(iv) corrective and mitigation measures undertaken including audit of process controls, reporting of events to stakeholders, comparison against modelling assumptions and risk assessment to the receiving environment and its beneficial use, and

(g) trend graphs to provide a graphical representation of historical results and to support the interpretive summary.

17. The Licence Holder must submit to the CEO with the Annual Environmental Report required by condition 15, a recharge management zone monitoring report demonstrating their compliance with conditions 4 and 6 for the preceding annual period, and must include:

(a) a clear statement of the scope of work carried out;

(b) a description of the monitoring and sampling methodologies employed;

(c) a summary of the field and laboratory quality assurance / quality control (QA/QC) measures implemented and an assessment of the reliability of results;

(d) copies of the field monitoring records;

(e) a tabulated summary of results, as well as all raw groundwater parameter concentration and aquifer pressure data provided in an accompanying Microsoft Excel spreadsheet digital document/file (or a compatible equivalent digital document/file), with all results being clearly referenced to laboratory certificates of analysis;

(f) an interpretive summary and assessment of the results against limits and Action Criteria specified in this licence and previous monitoring results;

(g) information about Reportable Events relating to groundwater limits and Action Criteria in Table 3 and Table 4, including:

(i) the date of the Reportable Event;

(ii) raw monitoring data for the Reportable Event in tabulated form;

(iii) assessment of whether the data is correct (no instrument fault);

(iv) determination of the source of the exceedance to establish whether exceedance is attributed to the Licence Holder's activities;

(v) where a Reportable Event is determined to be attributed to the Licence Holder's activities, corrective and mitigation measures undertaken including audit of process controls, amendment of recycled water quality before recharge, reporting of events to stakeholders, comparison against modelling assumptions and risk assessment to the receiving environment and its beneficial use, and

(h) trend graphs to provide a graphical representation of historical results and to support the interpretive summary.

Note 1: General guidance on report presentation can be found in the Department's *Guideline: Assessment and management of contaminated sites*.

18. 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) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 1 of this Licence;

(c) monitoring undertaken in accordance with Conditions 2, 4 and 6 of this Licence;

(d) Reportable Events reported in accordance with Condition 8 of this Licence; and

(e) complaints received under Condition 19 of this Licence

In addition, the Books must:

(f) be legible;

(g) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;

(h) be retained by the Licence Holder for the duration of the Licence; and

(i) be available to be produced to an Inspector or the CEO.

19. The Licence Holder must record the number and details of any complaints received by the Licence Holder relating to its obligations under this Licence and its compliance with Part V of the EP Act at the Premises, and any action taken by the Licence Holder in response to the complaint. Details of complaints must include:

(a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;

(b) the name and contact details of the complainant, if provided by the complainant;

(c) the date of the complaint; and

(d) the details and dates of the actions taken by the Licence Holder in response to the complaints.

20. The Licence Holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

Definitions

In this licence, the terms in Table 7 have the meanings defined.

Table 7: 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 may be available on the Department's website).
annual period	means a 12-month period commencing from 31 March until 1 April of the immediately following year.
AS 3780	Means the Australian Standard for the *Storage and Handling of Corrosive Substances*
AS/NZS 5667.10	Means the Australian/New Zealand Standard for Water quality – Sampling Part 10: Guidance on sampling of waste waters.
AS/NZS 5667.11	Means the Australian/New Zealand Standard for Water quality – Sampling Part 11: Guidance on sampling of groundwaters.
AWRP	Advanced Water Recycling Plant
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 *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Department	means the department established under section 35 of the *Public Sector Management Act 1994* (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
Department	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in

Term	Definition
Request	writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to: (a) compliance with the EP Act or this Licence; (b) the Books or other sources of information maintained in accordance with this Licence; or the Books or other sources of information relating to Emissions from the Premises.
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.
Environmental Harm	has the same meaning given to that term under the EP Act.
EP Act	*Environmental Protection Act 1986* (WA)
EP Regulations	*Environmental Protection Regulations 1987* (WA)
Feed water	Secondary treated wastewater from the Beenyup Wastewater Treatment Plant fed to the Advanced Water Recycling Plant
FRP	Fibre Reinforced Plastic
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act.
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.
Pollution	has the same meaning given to that term under the EP Act.
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.
prescribed premises	has the same meaning given to that term under the EP Act.
Primary Activities	refers to the Prescribed Premises activities listed on the front of this Licence, at the locations shown in Schedule 1.

Term	Definition
Recharge Management Zone	means the minimum radial distance of 250m from a recharge bore for all confined aquifers at the Beenyup Groundwater Replenishment Scheme.
Recycled Water	refers to secondary treated sewage from the Beenyup WWTP that has undergone further treatment through the AWRP to achieve drinking water standards.
Reportable Event	means an exceedance above the limit specified in Column 6 of Table 2 and Column 5 of Table 3 or an exceedance above the specified Action Criteria in Column 6 of Table 4.
Serious Environmental Harm	has the same meaning given to that term under the EP Act.
Unreasonable Emission	has the same meaning given to that term under the EP Act.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The Premises are shown in the map below. The red line indicates the Premises boundary.

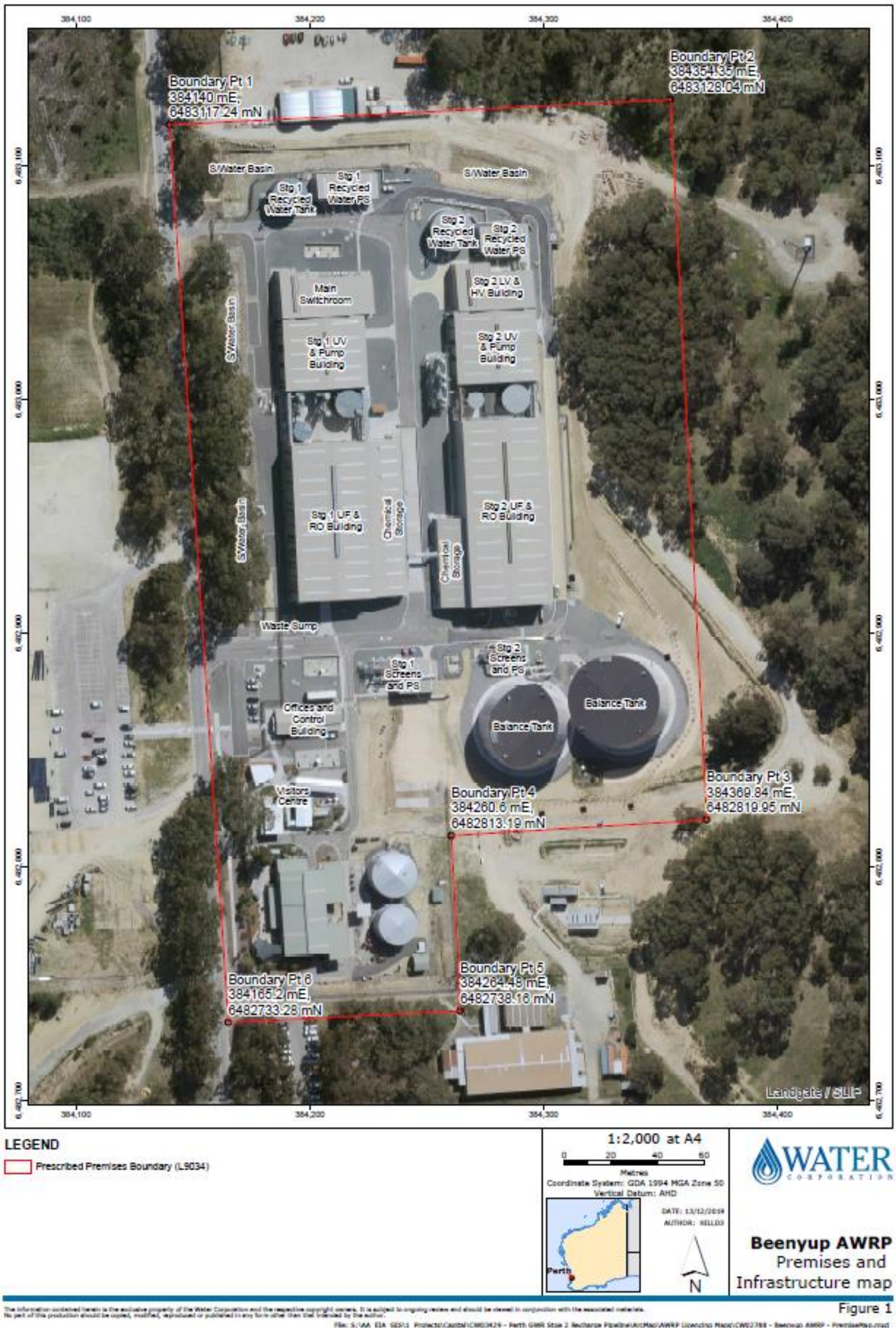

Figure 1: Premises overview and boundary

Monitoring locations

Groundwater monitoring locations are depicted in red. Recharge bore locations are depicted in pink.

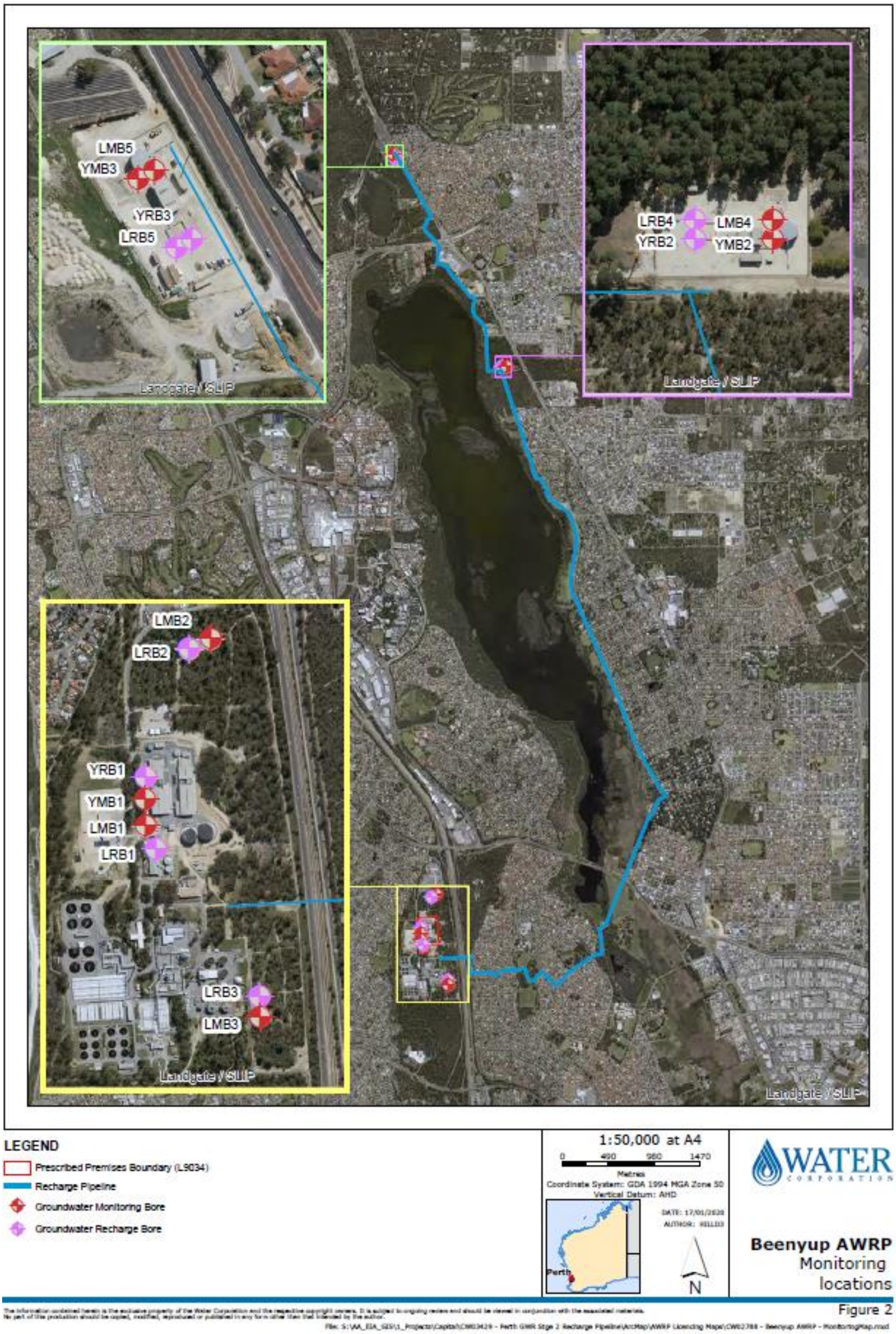

Figure 2: Monitoring locations

Premises boundary

The Premises boundary is defined by the coordinates in Table 8.

Table 8: Premises boundary coordinates

Point	Easting	Northing
1	384140.00 m	6483117.24 m
2	384354.35 m	6483128.04 m
3	384369.84m	6482819.95 m
4	384260.60 m	6482813.19 m
5	384264.48 m	6482738.16 m
6	384165.20 m	6482733.28 m