



<b>Licence number</b>	L9355/2022/1
<b>Licence holder</b>	Robe River Mining Co. Pty. Ltd
<b>ACN</b>	008 694 246
<b>Registered business address</b>	Level 18, Central Park 152-158 St Georges Terrace PERTH WA 6000
<b>DWER file number</b>	DER2022/000489
<b>Duration</b>	14/12/2022 to 14/12/2032
<b>Date of issue</b>	14 December 2022
<b>Premises details</b>	Angelo River Exploration Mobile Camp Exploration Licence E47/754 ANGELO RIVER SHIRE OF EAST PILBARA As defined by the coordinates in Schedule 2.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	Assessed production capacity
Category 85: Sewage facility: premises – (a) on which sewage is treated (excluding septic tanks); or from which treated sewage is discharge onto land or into waters.	30 m <sup>3</sup> per day

This licence is granted to the licence holder, subject to the attached conditions, on 14 December 2022, by:

## MANAGER WASTE INDUSTRIES

### REGULATORY SERVICES

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

*Officer delegated under section 20*

## Licence history

Date	Reference number	Summary of changes
22/01/2022	W6604/2021/1	Works approval granted.
14/12/2022	L9355/2022/1	Licence granted.

## Interpretation

In this licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;

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;

where tables are used in a condition, each row in a table constitutes a separate condition;

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;

unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and

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 accept onto the premises waste of a type that:
  - a) does not exceed the rate at which that waste is received; and
  - b) meets the relevant acceptance specification, as set out in Table 1.

**Table 1: Waste acceptance criteria**

Waste type	Rate at which waste is received	Acceptance specification
Sewage	No more than 30 m <sup>3</sup> per day	Accepted via sewer inflows to the raw sewage storage tanks.

### Waste processing

2. The licence holder must ensure that the waste types specified in Table 2 are only subjected to the corresponding processes, subject to the corresponding process limits and specifications.

**Table 2: Waste processing**

Waste type	Processes	Process limits and specifications
Sewage	Biological, chemical and physical treatment	(a) must be passed through a flow balance tank prior to entering the treatment system; (b) must not exceed 30 m <sup>3</sup> /day; and (c) must be treated to the following output standard: <ol style="list-style-type: none"> <li>i. 5-day Biochemical Oxygen Demand (BOD) &lt;20 mg/L</li> <li>ii. Total suspended solids (TSS) &lt;30 mg/L</li> <li>iii. Total nitrogen &lt;40 mg/L</li> <li>iv. Total phosphorus &lt;8 mg/L</li> <li>v. Thermotolerant coliforms &lt;1000 colony forming units (CFU)/100ml</li> </ol>
Waste sludge	Temporary storage prior to offsite removal	(a) must be removed from the premises for off-site disposal to an appropriately licensed facility
Treated wastewater	Disposal via irrigation	(a) irrigated at a rate of no more than 30 m <sup>3</sup> / 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
WWTP and pipeline	(a) Volumetric flow meter is maintained on the WWTP outlet to the irrigation spray-field. (b) Spills of wastewater or chemicals outside of a vessel/container/pipeline are cleaned up immediately.	Figure 2, Schedule 1
Irrigation sprinkler in spray-field	(a) Irrigation is managed to prevent ponding and pooling of effluent on the ground surface of the irrigation spray-field.	Figure 2, Schedule 1

## Emissions and discharges

### Water discharges

4. The licence holder must ensure that the emissions specified in Table 4, are discharged only from the corresponding discharge points and only at the corresponding discharge point location, as set out in Table 4.

**Table 4: Water discharges requirements**

Emission	Discharge point	Discharge point location
Treated effluent from the WWTP	Sprinklers within the irrigation spray-field	Sprinkler location as shown in Figure 2 of Schedule 1

## Monitoring

### Emissions and discharges

5. The licence holder must monitor emissions and discharges in accordance with Table 5.

**Table 5: Emissions and discharges requirements**

Discharge point	Monitoring location	Parameter	Unit	Frequency	Averaging period
Irrigation spray-field	WWTP outlet pipe	Thermotolerant coliforms	CFU/100 ml	Quarterly	Spot sample
		pH <sup>1</sup>	pH units		
		BOD <sub>5</sub>	mg/L		
		TSS			
		Residual chlorine <sup>1</sup>			
		Total nitrogen			
		Total phosphorus			

Discharge point	Monitoring location	Parameter	Unit	Frequency	Averaging period
		Cumulative flow volume discharge to spray-field <sup>1</sup>	m <sup>3</sup>	Continuous	N/A

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

6. The licence holder must;
  - a) record the results for the monitoring activity required by condition 3;
  - b) handle and preserve all water samples collected during the monitoring of the WWTP in accordance with Australian Standard 5667:1:1998 Water Quality – Sampling; and
  - c) have analysis conducted by a laboratory with current National Association of Testing Authorities (NATA) accreditation for the parameters specified.
7. The licence holder must ensure that treated wastewater is only discharged via irrigation to the specified discharge point in accordance with the limits specified in Table 6.

**Table 6: Emission and discharge limits**

Discharge point	Parameter	Loading limit
Irrigation spray field	BOD <sub>5</sub>	30 kg/ha/day
	Total nitrogen	480 kg/ha/year
	Total phosphorus	120 kg/ha/year

## Records and reporting

8. 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.
9. 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) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;
  - c) monitoring programmes undertaken in accordance with conditions 5 and 6 of this licence; and
  - d) complaints received under condition 8 of this licence.

10. The books specified under condition 0 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.
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 no later than 31 January after the end of that annual period an Annual Audit Compliance Report in the approved form.
12. The Licence Holder must submit to the CEO by no later than 31 January 2024 and then biennially thereafter, an Environmental Report for the previous two annual periods (or part thereof) for the conditions in Table 7 and which provides information in accordance with the corresponding requirement set out in Table 7.

**Table 7: Environmental Report**

Conditions	Requirement
5-7	<ol style="list-style-type: none"><li>a) monthly cumulative volumes (in m3 or kL) of treated wastewater applied to the irrigation area presented in table format;</li><li>b) treated wastewater monitoring data in tabulated and graphical form including the sampling date;</li><li>c) tabulated monthly and annual loadings of nitrogen, phosphorus and BOD applied to the irrigation area, including an explanation of the basis for determining loading rates;</li><li>d) an assessment and interpretation of the data, including comparison to historical trends and loading limits; and</li><li>e) copies of laboratory sample analysis reports.</li></ol>
8	<ol style="list-style-type: none"><li>(a) a summary of complaints received.</li></ol>
N/A	<ol style="list-style-type: none"><li>(a) a summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period, including any actions taken.</li></ol>

## Definitions

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

**Table 8: Definitions**

Term	Definition
AS5667.1:1998	means Australian Standard 5667.1:1998 Water Quality – Sampling
ACN	Australian Company Number
annual period	a 12 month period commencing from 1 January until 31 December of the immediately following year.
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:  <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
CFU	means colony forming units.
Condition	means a condition to which this works approval is subject under s.62 of the EP Act
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)
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.
m <sup>3</sup>	means cubic meters.
mg/L	means milligrams per litre
NATA	means National Association of Testing Authorities
NATA Accreditation	n 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

Term	Definition
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises maps (Figure 1 and 2) 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 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March.
TSS	means total suspended solids
waste	has the same meaning given to that term under the EP Act.

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**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The boundary of the prescribed premises is shown in the map below.

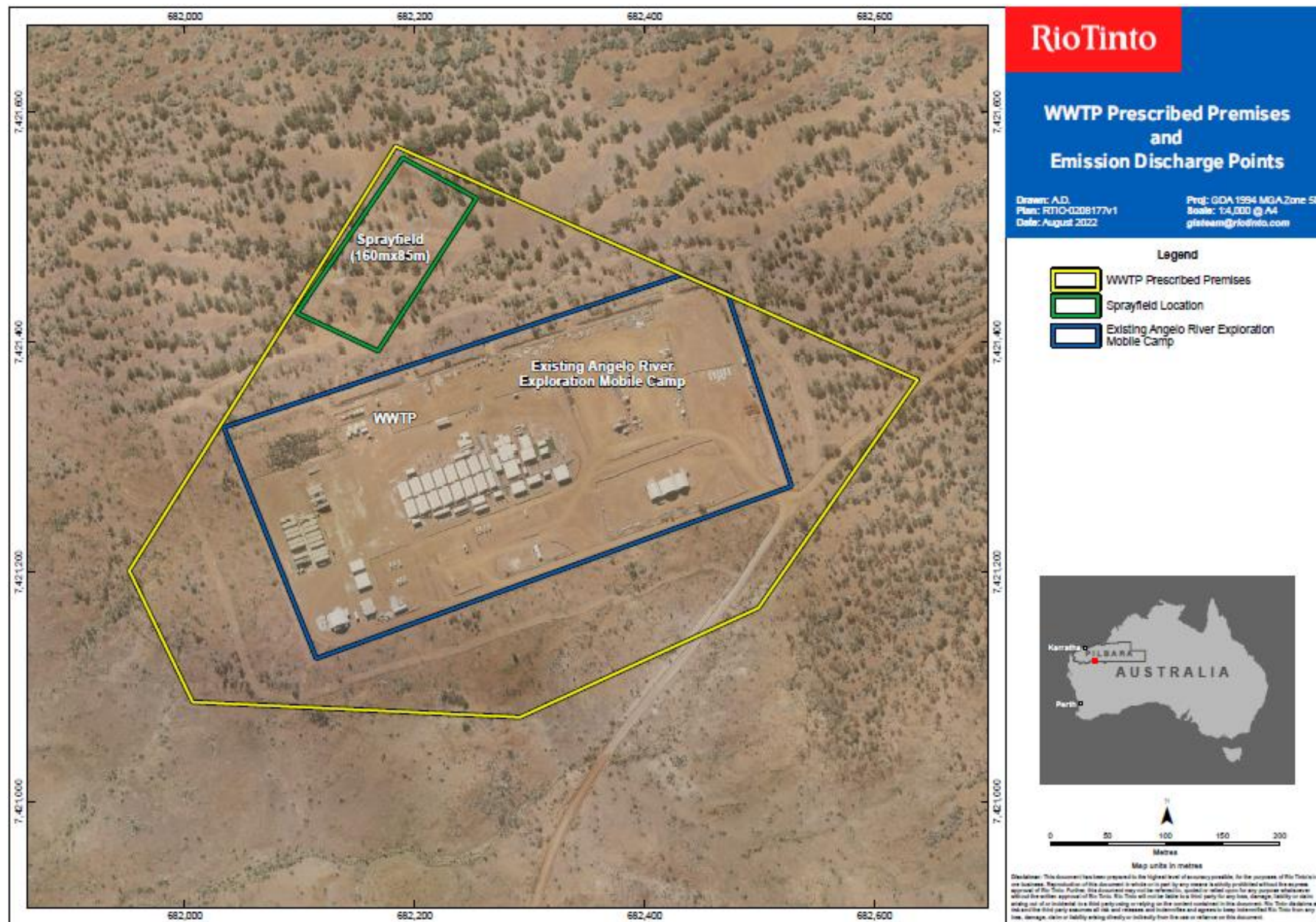


Figure 1: Map of the boundary of the prescribed premises

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IR-T06 Licence template (v8.0) (September 2022)

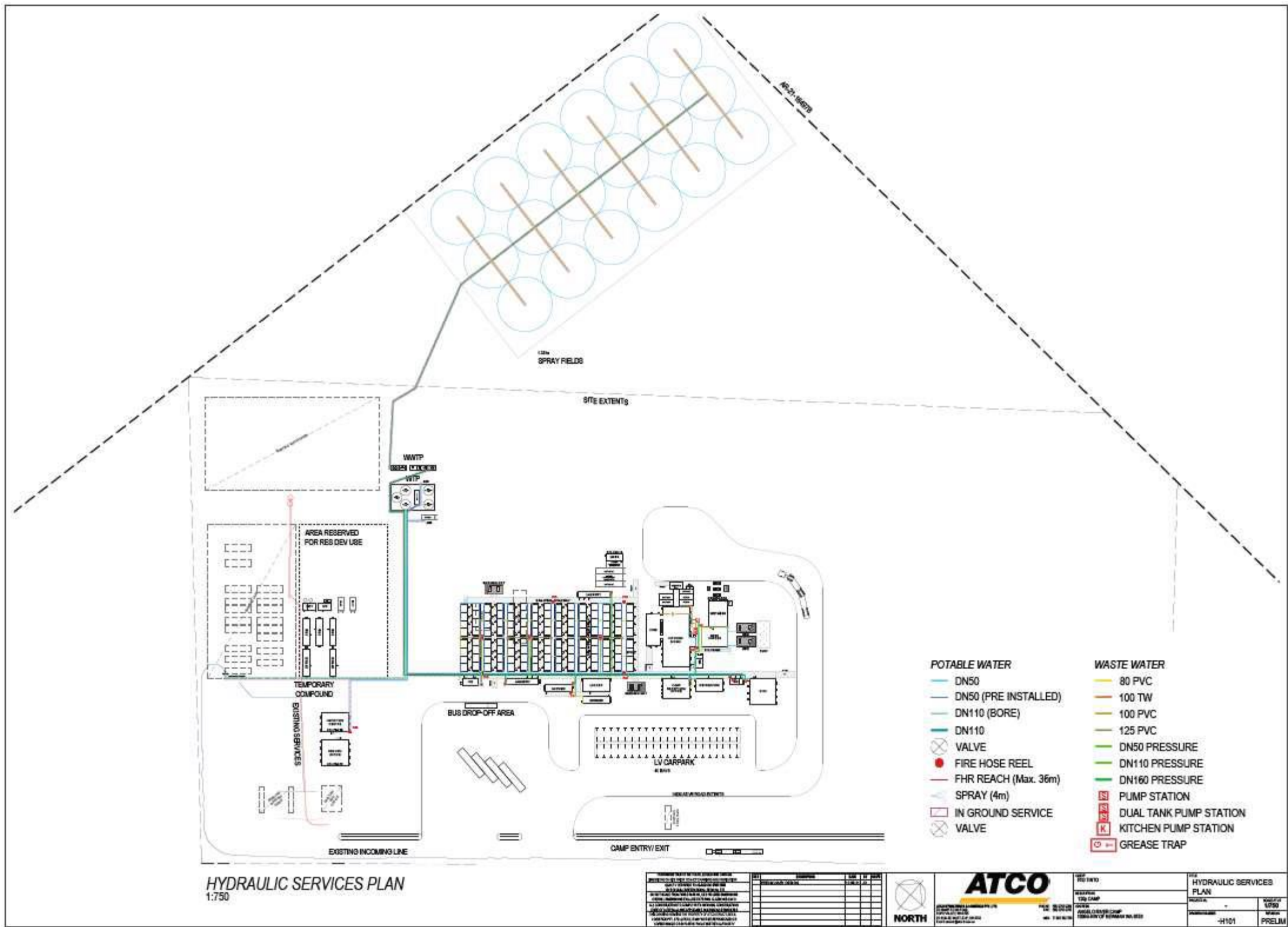


Figure 2: Map of detailed arrangement wastewater Treatment Plant

## Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 10.

**Table 10: Premises boundary coordinates (GDA2020 MGA Zone 50)**

	Easting	Northing
1.	682500.3024	7421169.9981
2.	682292.9348	7421074.7479
3.	682007.8457	7421087.9771
4.	681952.6138	7421202.4096
5.	682184.4555	7421572.1655
6	682638.5475	7421368.436
7	682500.3024	7421169.9981