



Licence number	L8004/2005/4
Licence holder	Water Corporation
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
DWER file number	APP-0028460 and INS-0001580
Duration	05/07/2013 to 03/07/2035
Date of issue	27/06/2013
Date of amendment	04/07/2025
Premises details	Kambalda Wastewater Treatment Plant Legal description Crown Reserve 38893; Crown Reserve 51526; and Crown Reserve 10023 KAMBALDA WA 6391 As defined by the premises map in Schedule 1

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.	800 cubic metres per day

This licence is granted to the licence holder, subject to the attached conditions, on 4 July 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
27/06/2013	L8004/2005/3	Licence renewed
29/04/2016	L8004/2005/3	Licence amended for the extension of the licence duration to 4 July 2025
14/03/2019	L8004/2005/3	Amendment Notice 1 to add Kambalda East and West wastewater ponds into the premises boundary and correcting references to incorrect reserve number to reflect the actual location of the infrastructure
04/07/2025	L8004/2005/4	Licence renewal to extend licence duration to 4 July 2035. This amendment includes an amalgamation of previous amendment notices and an update to the latest licence format, involving the inclusion of monitoring conditions.

Interpretation

In this licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;
 - (a) 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;
 - (b) where tables are used in a condition, each row in a table constitutes a separate condition;
 - (c) 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;
 - (d) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
 - (e) 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:

Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Wastewater Treatment Plant and Ponds (W1)	<ul style="list-style-type: none"> • Maintain the following infrastructure: <ul style="list-style-type: none"> - Two aeration tanks; - Chlorinator; - Eight sludge drying beds; - One re-use storage dam; and - Associated flow meters on both the inlet and outlet to WWTP • Treated wastewater must be transported via pipeline conveyance to BHP Nickel West operations for reuse in their processing works OR transferred to the Kambalda East Ponds or Kambalda West Ponds in the event of emergency overflow. 	Schedule 1, Figure 2
Kambalda East Ponds (W2)	<ul style="list-style-type: none"> • Wastewater directed to Kambalda East Ponds for storage during planned maintenance and emergency shutdown periods; • Maintain the five ponds such that: <ul style="list-style-type: none"> - Wastewater tankered or pumped back to the WWTP for treatment when required; - Maintain a liner permeability of less than 1×10^{-8} m/s; - Maintain a minimum 1 m separation distance between the base of the pond and the highest groundwater level; and - Maintain a minimum freeboard of 300 mm. 	Schedule 1, Figure 1
Kambalda West Ponds (W3)	<ul style="list-style-type: none"> • Wastewater directed to Kambalda East Ponds for storage during planned maintenance and emergency shutdown periods; • Maintain the three ponds such that: <ul style="list-style-type: none"> - Wastewater tankered or pumped back to the WWTP for treatment when required; - Maintain a liner permeability of less than 1×10^{-7} m/s; - Maintain a minimum 1 m separation distance between the base of the pond and the highest groundwater level; and - Maintain a minimum freeboard of 300 mm. 	Schedule 1, Figure 1

2. The licence holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets

the corresponding acceptance specification set out in Table 2.

Table 2: Waste acceptance

Waste type	Rate at which waste is received	Acceptance specification
Sewage	800 m ³ per day	Accepted through sewer inflow

Emissions and discharges

Water discharges

3. The licence holder must notify the CEO in writing within 24 hours of becoming aware of wastewater that overflows any pond or tank within the premises which discharges into the environment.
4. The written advice required by condition 3 must include:
 - (a) The date, time and probable cause for the overflow;
 - (b) An estimate of the period over which the overflow was likely to have occurred; and
 - (c) An estimate of the extent of the discharge over that period and indication of known or potential environmental impacts.
5. The licence holder must provide a full report (unless otherwise approved by the CEO) on its investigations into any incident reported under condition 3 within 7 days of becoming aware that incident, and it must include but not be limited to:
 - (a) The date, time and reason for the incident;
 - (b) The period over which the incident occurred;
 - (c) The extent of the discharge over that period and potential or known environmental consequences; and
 - (d) Corrective action taken or planned to prevent a recurrence of the incident.

Monitoring

6. The licence holder must monitor emissions in accordance with the requirements specified in Table 3 and record the results of all monitoring.

Table 3: Emissions and discharge monitoring

Discharge point	Monitoring location Refer to Schedule 1, Figure 3	Parameter	Frequency	Unit	Method
Outlet pipe from the WWTP	M3	Ammonium	Monthly	mg/L	AS/NZS 5667.10 - 1998
		NO ₂ + NO ₃ as N			
		Nitrogen – Kjeldahl			
		Total Nitrogen			
		Total Phosphorus			
		Alkalinity as CaCO ₃			

Discharge point	Monitoring location Refer to Schedule 1, Figure 3	Parameter	Frequency	Unit	Method
		Total Suspended Solids			
		Biocarbonate Calc			
		BOD (Carbonaceous)			
		cBOD - Filtered			
		COD			
		Chloride			
		FRP (Filtered Reactive Phosphorus)			
		Total Filtered Solids			
		Turbidity		NTU	
		Conductivity at 25C		mS/m	
		pH ¹		pH Units	
		E.coli		cfu/100 mL	

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

7. The licence holder must ensure that all non-continuous sampling and analysis undertaken pursuant to condition 6 is undertaken by a holder of a current accreditation from the National Association of Testing Authorities (NATA) for the methods of sampling and analysis relevant to the corresponding relevant parameter.

Records and reporting

Records

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:
- 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.
9. 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;

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- (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 condition 6 of this licence; and
- (d) complaints received under condition 8 of this licence.

10. The books specified under condition 9 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.

Reporting**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 an Annual Audit Compliance Report in the approved form by 1 July each year.

Definitions

In this licence, the terms in Table 4 have the meanings defined.

Table 4: 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 July until 30 June 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: 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.
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.
monthly period	means a one-month period commencing from the first of a month until first of the immediately following month.
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

Term	Definition
	to this licence.
prescribed premises	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 boundary of the prescribed premises is shown in the map below (Figure 1).

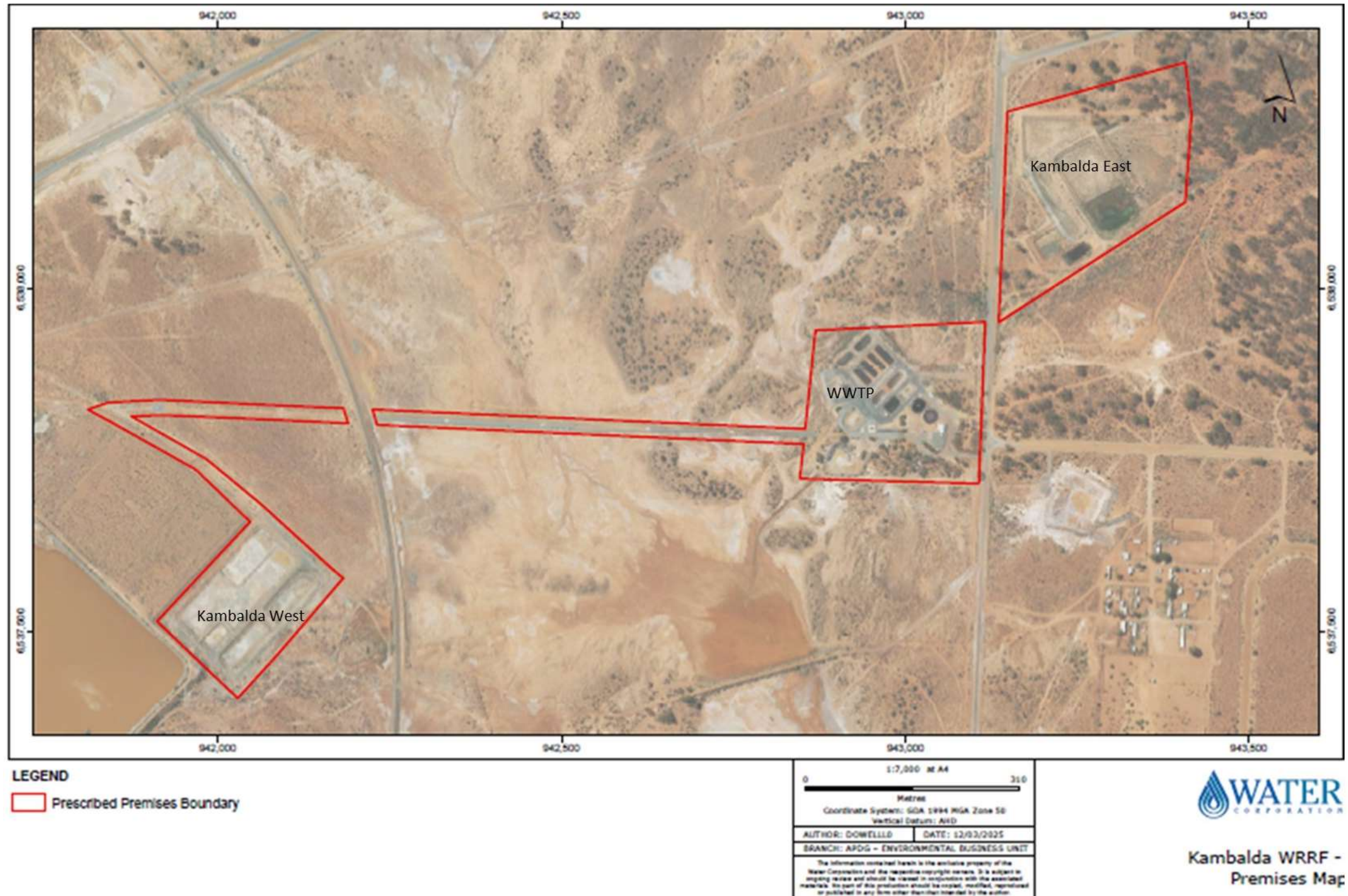


Figure 1: Map of the boundary of the prescribed premises



Figure 2: WWTP Infrastructure

L8004/2005/4 (Amended 04 July 2025)

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

Kambalda WRRF Schematic

S6000610
Kambalda WWTP

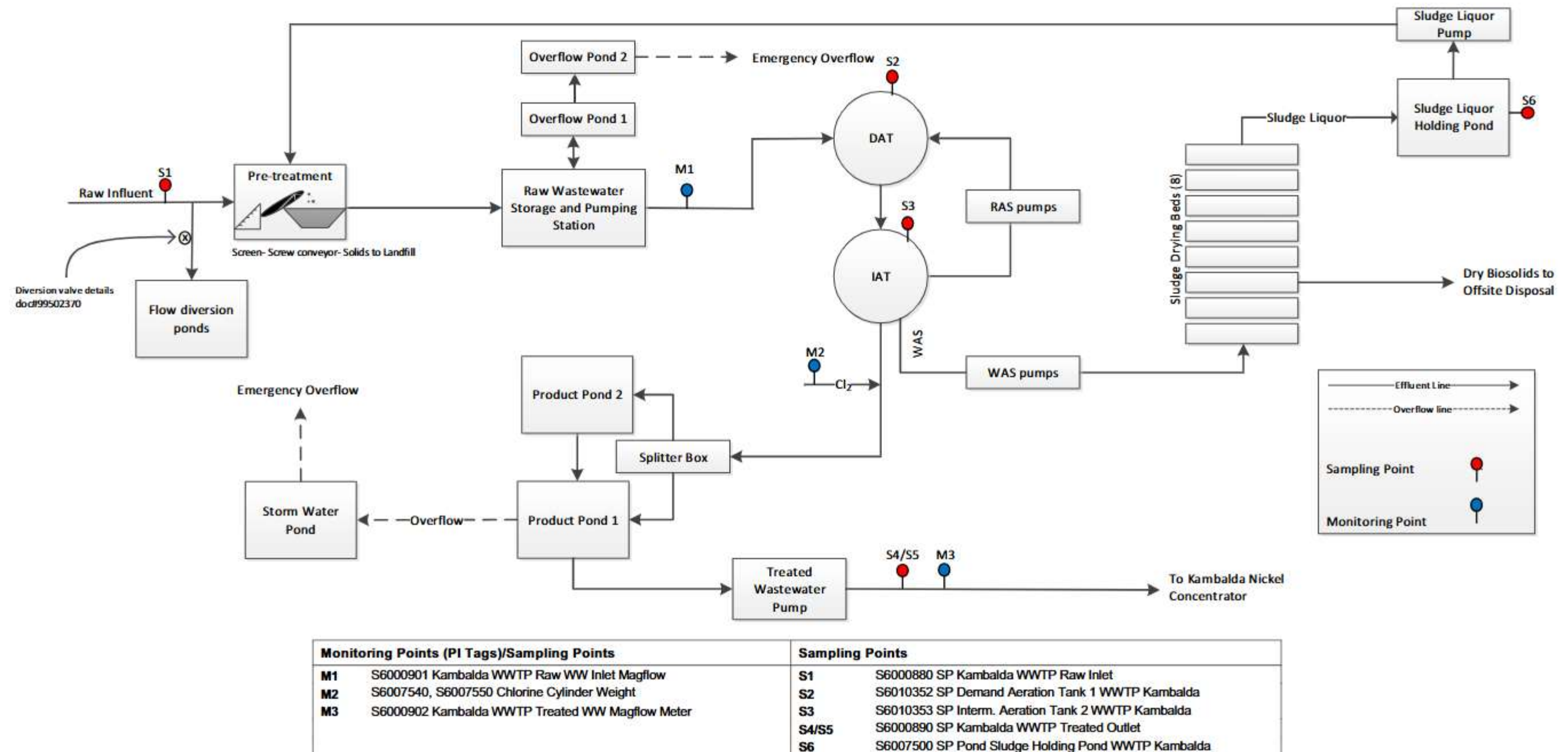


Figure 3: Premises Schematic

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 5.

Table 5: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	371608.33789	6546887.00317	51
2.	371621.54616	6546808.84895	
3.	371619.07575	6546682.39413	
4.	371358.26009	6546494.06648	
5.	371354.40527	6546799.20570	
6.	371337.95135	6546493.30975	
7.	371340.81866	6546258.61159	
8.	371082.27069	6546251.63495	
9.	371083.70482	6546301.49795	
10.	370463.77109	6546295.41662	
11.	370457.35686	6546318.22607	
12.	371085.60324	6546323.87318	
13.	371092.77894	6546468.41268	
14.	370414.60675	6546318.13683	
15.	370423.57324	6546295.61311	
16.	370151.31837	6546293.94568	
17.	370108.68562	6546290.11383	
18.	370219.50827	6546233.73848	
19.	370307.22117	6546168.96439	
20.	370427.51691	6546071.26409	
21.	370284.60295	6545888.94627	
22.	370160.89823	6545993.72181	
23.	370288.60346	6546145.08409	

24.	370204.39612	6546217.54280	
25.	370044.98333	6546295.43149	
26.	370074.22186	6546307.74509	
27.	370144.15255	6546315.47414	