



Licence number	L8310/2008/3
Licence holder	CITIC Pacific Mining Management Pty Ltd
ACN	119 578 371
Registered business address	Level 7, 45 St Georges Terrace PERTH WA 6000
DWER file number	DER2014/000912-1
Duration	17/08/2022 to 16/08/2042
Date of issue	17/06/2022
Premises details	Fortescue River Roadhouse North West Coastal Highway MARDIE WA Legal description – Part Lot 168 on Plan 190433 and Part Lot 1501 on Plan 74341 As defined by the Premises map

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.	150 cubic metres per day

This licence is granted to the licence holder, subject to the attached conditions, on 17 June 2022, by:

**SENIOR INDUSTRY REGULATION OFFICER
INDUSTRY REGULATION**

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

Licence history

Date	Reference number	Summary of changes
13/08/2009	L8310/2008/1	Licence granted.
15/08/2014	L8310/2008/2	Licence reissue and amendment to REFIRE format.
29/04/2016	L8310/2008/2	Notice of amendment and schedule of licences with amended expiry dates (April 2016)
08/06/2017	L8310/2008/2	Amendment Notice 1: Replacement of chlorinator/treated wastewater tank with a new polyethylene treated wastewater tank.
16/05/2022	L8310/2008/2	Notice of amendment and schedule of licences with amended reporting conditions (May 2022) - Schedule 2.
17/06/2022	L8310/2008/3	Licence renewed for twenty years.

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:

General conditions

1. The licence holder shall immediately recover, or remove and dispose of, spills of environmentally hazardous materials including fuel, oil, or other hydrocarbons, whether inside or outside an engineered containment system.
2. The licence holder must take all reasonable and practicable measures to prevent stormwater run-off becoming contaminated by the activities and operations undertaken at the premises.

Premises operation

3. The Licence Holder shall record and investigate the exceedance of any descriptive or numerical limit, and/or target in this licence.
4. The Licence Holder shall only allow waste to be accepted 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
Sewage	150 m ³ /day	Accepted though sewer inflow(s)

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

5. The Licence Holder shall ensure that the waste accepted onto the premises are only subjected to the process set out in Table 2 and in accordance with any process requirements described in that table.

Table 2: Waste processing

Waste type	Process	Process requirements
Sewage	Physical, biological and chemical treatment	In accordance with manufacturers operating instructions for the installed equipment.

6. The Licence Holder shall manage the wastewater treatment vessels such that:
 - (a) overtopping of the vessels does not occur;
 - (b) there is no discernible seepage loss from the vessels; and
 - (c) vegetation and floating debris (emergent or otherwise) is prevented from growing or accumulating in the vessels.

7. The Licensee shall manage the irrigation of treated wastewater such that:
- (a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the defined irrigation area;
 - (b) treated wastewater is evenly distributed over the irrigation area;
 - (c) no soil erosion occurs;
 - (d) irrigation does not occur on land that is waterlogged; and
 - (e) vegetation cover is maintained over the irrigation area.
8. The Licence Holder shall:
- (a) implement security measures at the site to prevent as far as is practical unauthorised access to the site; and
 - (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.

Emissions

9. The Licence Holder shall ensure that where waste is emitted to land from the emission point in Table 3 and identified on the maps of emission points in Schedule 1 it is done so in accordance with the conditions of this licence.

Table 3: Emissions to land

Emission point reference and location on Maps of emissions points	Description	Source including abatement
WWTP discharge pipeline.	Treated effluent is disposed of to the irrigation area.	Treated effluent from sewage treatment.

10. The Licensee shall target emissions to land at or below the levels specified in Table 4.

Table 4: Emission targets to land

Emission point reference	Parameter	Target (including units)	Averaging period
WWTP discharge pipeline.	pH	6 - 9 pH units	Spot sample.
	Biochemical Oxygen Demand	<30 mg/L	
	Total Suspended Solids	<40 mg/L	
	E.coli	<1000 cfu/ 100ml	
	Total Nitrogen	<50 mg/l	
	Total Phosphorus	<12mg/l	

Monitoring - General

11. The Licence Holder shall 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 laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
12. The licence holder must ensure that monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters.
13. The Licence Holder shall ensure that all monitoring equipment used on the premises to comply with the conditions of this licence is calibrated in accordance with the manufacturer's specifications.

Monitoring – Emissions to land

14. The Licence Holder shall undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Monitoring of emissions to land

Emission point reference	Monitoring point reference	Parameter	Units	Frequency
WWTP discharge pipeline	L1 – Final tank in the WWTP treated effluent (refer to Figure 1 in Schedule 1)	pH ¹	pH units	Quarterly
		Biological Oxygen Demand	mg/L	
		Total Suspended Solids	mg/L	
		E.Coli	cfu/100ml	
		Total Nitrogen	mg/L	
		Total Phosphorous	mg/L	

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

Records and reporting

15. 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.

16. 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 October 2022** and annually thereafter an Annual Audit Compliance Report in the approved form.

17. 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 condition 14 of this licence; and
- (c) complaints received under condition 15 of this licence.

18. The books specified under condition 17 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.

19. The licence holder must submit to the CEO by **31 October 2023** and biennially thereafter, an Environmental Report for that two year 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: Environmental Report

Condition	Requirement
10	Summary of any treatment capacity target exceedances and any action taken.
14	Monitoring of emissions to land
15	Complaints summary

20. The licence holder shall ensure that the Environmental Report also contains:

- (a) an assessment of the information contained within the report against previous monitoring results and licence limits and/or targets; and
- (b) a list of, any original monitoring reports submitted to the licence holder from third parties for the annual period and make these reports available on request.

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

Table7: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
-	Removal of sewage sludge from a treatment pond, wastewater treatment vessel, sewage sludge storage pond or Geobag.	No less than 14 days in advance of works ²	None specified

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

Note 2: The following information shall be included: (i) when desludging is proposed to occur, (ii) the desludging method, (iii) action to mitigate potential odour impacts, and (iv) the method by which the community will be advised of the desludging activities.

22. The licence holder must, within 7 days of becoming aware of any non-compliance with condition 4 of this licence, notify the CEO in writing of that non-compliance and include in that notification the following information:
- (a) which condition was not complied with;
 - (b) the time and date when the non-compliance occurred;
 - (c) if any environmental impact occurred as a result of the non-compliance and if so what that impact is and where the impact occurred;
 - (d) the details and result of any investigation undertaken into the cause of the non-compliance; and
 - (e) what action has been taken and the date on which it was taken to prevent the non-compliance occurring again.

Definitions

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

Table 8: Definitions

Term	Definition
ACN	Australian Company Number
Approved form	means the Annual Audit Compliance Report (AACR) form template approved by the CEO for use and available via DWER's external website
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
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
condition	a condition to which the licence is subject under section 62 of the <i>Environmental Protection Act 1986</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)
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	means the premises to which the licence applies, as specified at the front of the licence

END OF CONDITIONS

Schedule 1: Maps

Premises map

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

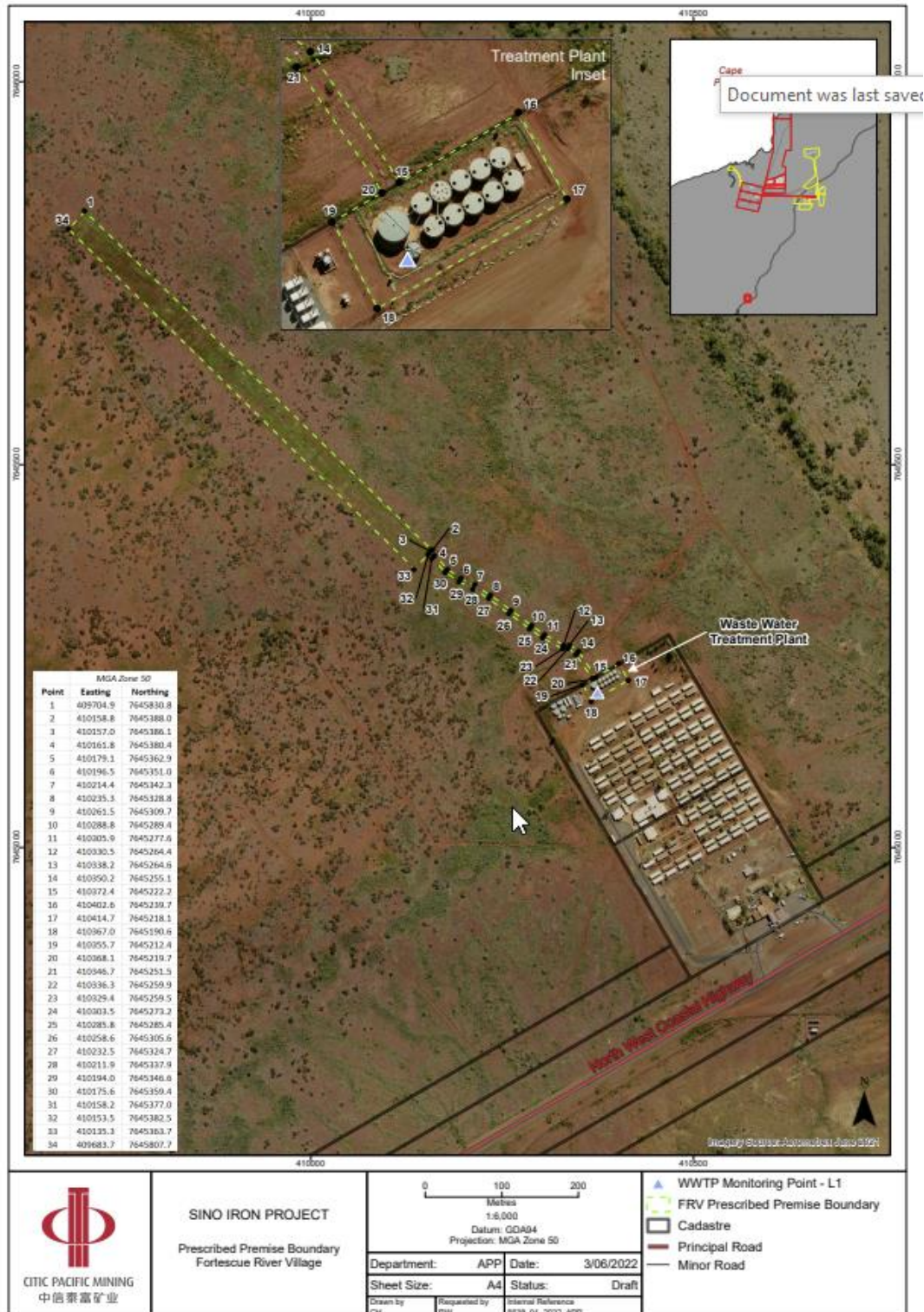


Figure 1: Map of the boundary of the prescribed premises, emission and monitoring point (L1)