



<b>Licence number</b>	L7168/1997/11
<b>Licence holder</b>	Electricity Energy and Retail Corporation T/A Synergy
<b>Registered business address</b>	Forrest Centre 219 St Georges Terrace PERTH WA 6000
<b>DWER file number</b>	2012/007504-1
<b>Duration</b>	03/01/2023 to 02/01/2043
<b>Date of issue</b>	03/01/2023
<b>Premises details</b>	Kalgoorlie Gas Turbine Station West Kalgoorlie Road YILKARI WA 6430  Lot 3002 on Plan 49070 as depicted in Schedule 1

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production capacity</b>
Category 52: Electric power generation	61.4MW per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 3 January 2023, by:

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
4/12/2014	L7168/1997/10	Licence reissued
6/1/2017	L7168/1997/10	Amendment Notice to change business address
11/12/2019	L7168/1997/10	Licence amended to change reporting of operating hours from monthly to annual. Included consolidation of previous Amendment Notice changes and administrative updates
3/1/2023	L7168/1997/11	Licence reissued including application of amendment notice change to biennial environmental reporting

## 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:

### 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 requirements and specifications set out in Table 1.

**Table 1: Infrastructure and equipment requirements**

Site infrastructure and equipment	Operational requirement / specification	Infrastructure location (See Schedule 1 infrastructure & discharge points map: Figure 2)
Fuel farm containing three 500kL fuel storage tanks	<ul style="list-style-type: none"> <li>Each tank is fitted with high and low level alarms</li> <li>Area within the bund drains to the triple interceptor                             <ul style="list-style-type: none"> <li>The transfer of stormwater from the fuel farm bund to the triple interceptor is controlled by a manually operated valve</li> </ul> </li> </ul>	Fuel Farm
Oily water treatment system consisting of the triple interceptor and a Purceptor wastewater treatment system	<ul style="list-style-type: none"> <li>All stormwater within the fuel unloading area, the fuel farm bund and the Unit 2 gas turbine compartment bund must drain to the triple interceptor</li> <li>Last (third) chamber of the interceptor is fitted with an automatically activated pump set to pump wastewater to the Purceptor when the interceptor pit volume reaches 10,000 litres</li> <li>Flow meter installed between the interceptor and the Purceptor to monitor volume of wastewater transferred</li> <li>Discharge of treated wastewater is via an above-ground PVC pipeline to the authorised discharge point</li> </ul>	Oily water treatment system

## Emissions and discharges

### Emissions to land

2. The licence holder must ensure that the emissions specified in Table 2, are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

**Table 2: Authorised discharge point**

Emission	Discharge point	Discharge point location
Treated stormwater	Purceptor treatment unit via discharge pipeline	'L1' as shown in Schedule 1: Figure 2

### Emissions to air

3. The licence holder must ensure that where waste is emitted to air from the discharge points in Table 3 and identified on the map of discharge points in Schedule 1 it is done so in accordance with the conditions of this licence.

**Table 3: Authorised discharge points to air**

Emission point reference	Discharge point	Discharge point height (m)	Emission source
A1	Stack 1	4.1	Unit 2 Frame 6 Hitachi machine rated at 36.6 MWe
A2	Stack 2	3.5	Unit 3 Frame 5 GEC Alsthom machine rated at 24.8 MWe

## Monitoring

### Monitoring of point source emissions to air

4. The licence holder must calculate on a monthly basis emissions data for the parameters listed in Table 4 according to the specifications in that table.

**Table 4: Calculation of emissions to air**

Emission point reference	Parameter	Reporting Units	Frequency	Method
A1 & A2	Nitrous oxides (NO <sub>x</sub> )	mg/m <sup>3</sup> ; g/s	Monthly	Approved Methodology
	Sulphur dioxide (SO <sub>2</sub> )			
	Particulate matter (PM <sub>10</sub> )			
	Carbon monoxide (CO)			
	Volatile organic compounds (VOC)			

## Records and reporting

5. 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.
6. 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 1 October in each year an Annual Audit Compliance Report in the approved form.
7. The licence holder must submit to the CEO an Environmental Report by 1 October 2023 and biennially thereafter. The report shall contain the information listed in Table 5.

**Table 5: Environmental Report**

Condition or table	Parameter
	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
-	Total annual quantity of distillate consumed (tonnes) and the total annual quantity of power generated (MWe)
-	Monthly operating hours for the reporting period
Condition 4, Table 4	Emissions data for the mass flow rate (g/s) and concentrations for emission (mg/m <sup>3</sup> ) from the power generation equipment for parameters including NO <sub>x</sub> , SO <sub>2</sub> , PM <sub>10</sub> , CO and VOC, for each existing turbine calculated using the Approved Methodology for the relevant annual period.
5	Complaints summary

8. 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 condition 4 of this licence; and
  - (d) complaints received under condition 5 of this licence.

- 9.** The books specified under condition 8 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.

## Definitions

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

**Table 6: Definitions**

Term	Definition
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
approved form	the AACR Form template approved by the CEO for use and available via DWER's external website.
Approved methodology	means <i>Pinjar Gas Turbines Station Environmental Licence Compliance, Methodology Report, Report No. GTB05/98, authored by Western Power and dated August 1998.</i>
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>
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.
MWe	means power output (electricity generated) in megawatts.
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.

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## END OF CONDITIONS



# Schedule 1: Maps

## Premises map

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

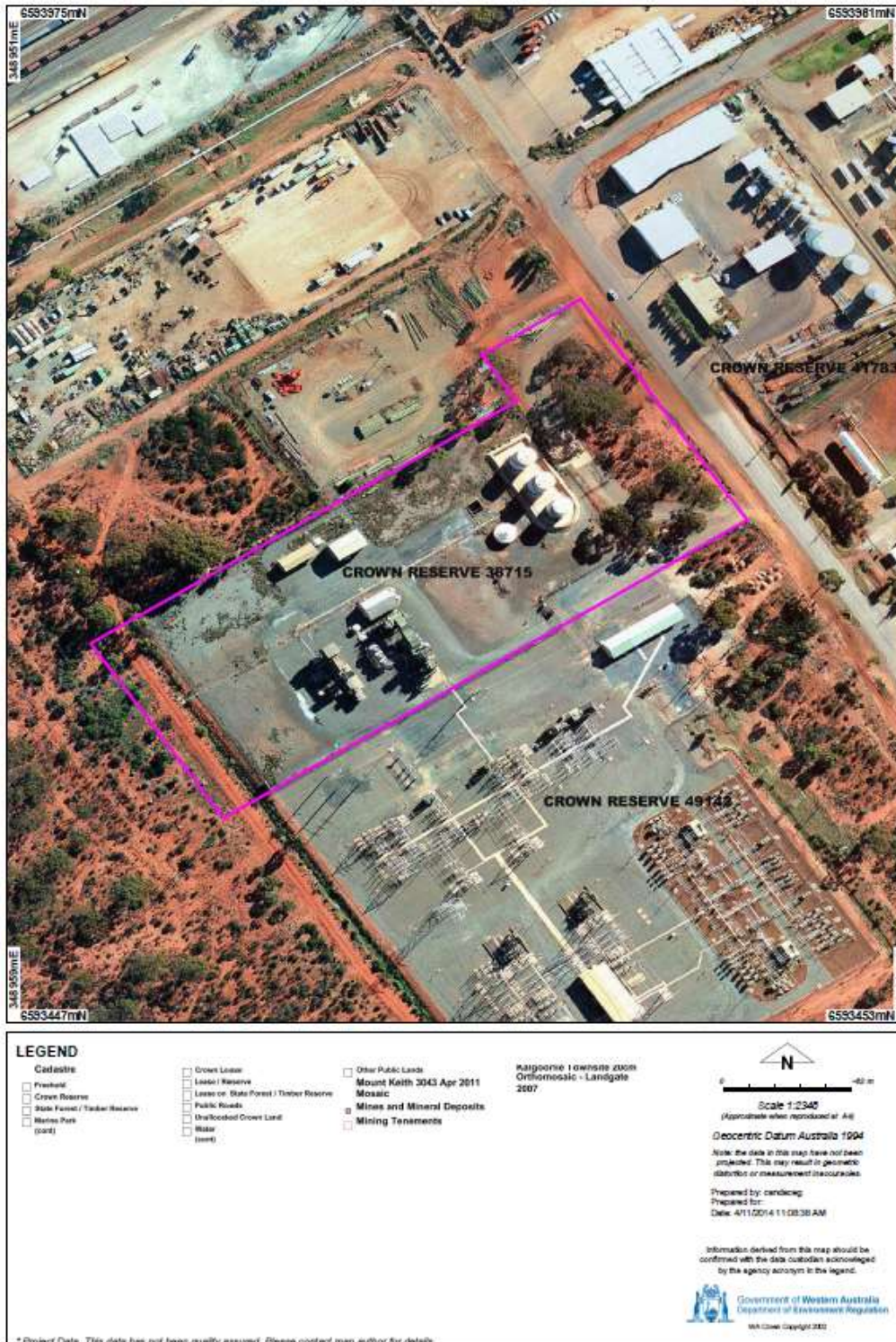


Figure 1: Map of the boundary of the prescribed premises



## Map of infrastructure layout and discharge points

The locations of the infrastructure described in Table 1 and the discharge points defined in Tables 2 and 3 are shown below. The premises boundary is shown in pink.

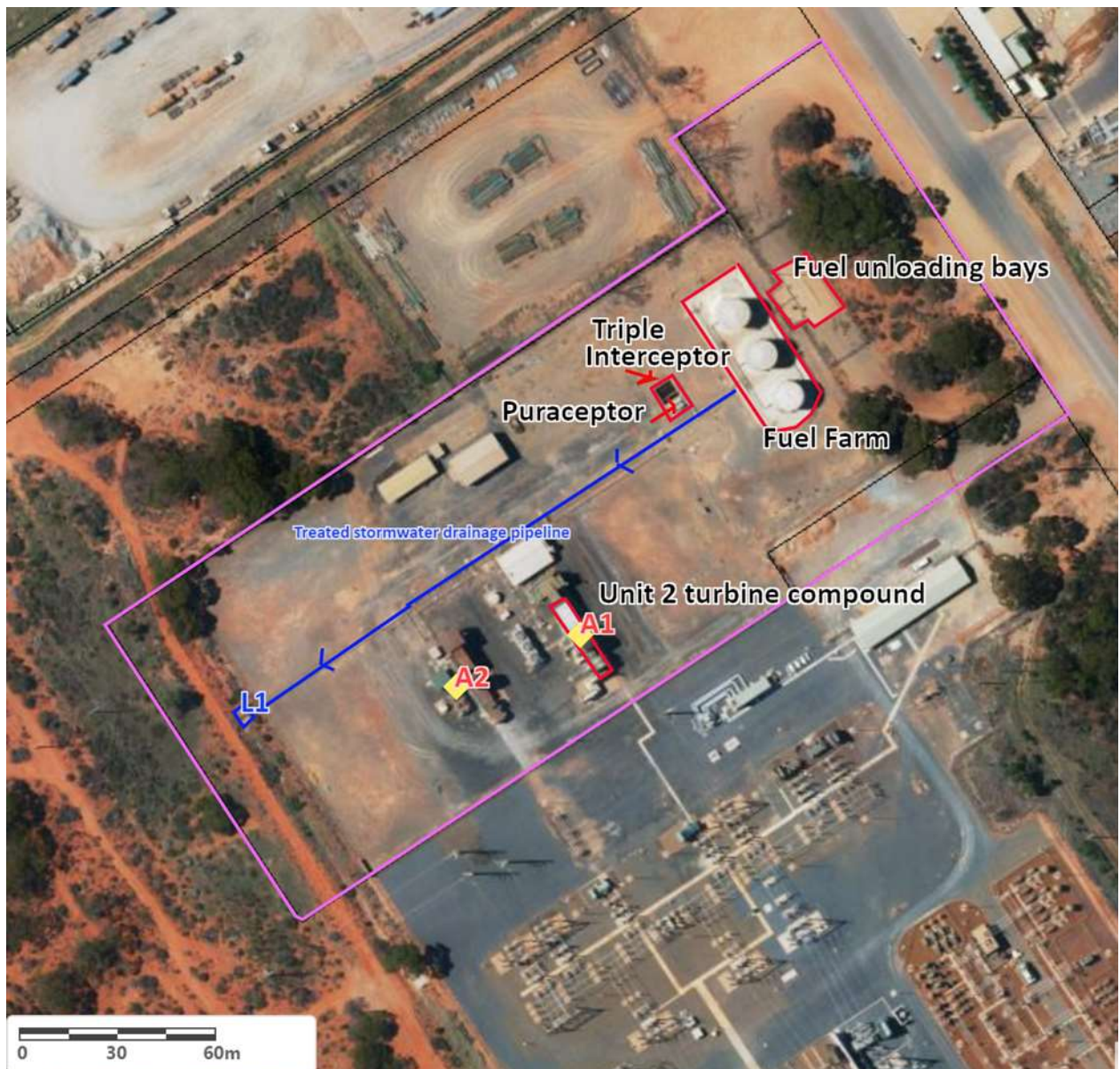


Figure 2: Infrastructure layout and discharge points