



Application to renew a licence

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L7168/1997/11
Licence Holder	Electricity Energy and Retail Corporation T/A Synergy
File Number	2012/007504-1
Premises	Kalgoorlie Gas Turbine Station West Kalgoorlie Road YILKARI WA 6430 Legal description Lot 3002 on Plan 49070 As defined by the Premises map in Schedule 1
Date of Report	3 January 2023
Decision	To grant a licence

Delegated Officer
Senior Environmental Officer, Industry Regulation
An officer delegated by the CEO under section 20 of the *Environmental Protection Act 1986*

1. Decision summary

Under the regulatory framework the Delegated Officer decided to process the application to renew licence L7168/1997/11 without conducting any additional risk assessment.

The licence can be issued for 20 years, which is consistent with the *Guidance Statement on Licence Duration 2016*. In renewing the licence the Delegated Officer has determined to

- update the format and appearance of the licence;
- incorporate licence amendment/s issued prior to the replacement licence;
- remove redundant conditions;
- add the authorised treated stormwater discharge point (W5774/2014/1);
- include conditions considered necessary for the effective administration of the licence (i.e. record keeping and reporting requirements);
- revise licence conditions and consolidate existing pollution control conditions;
- include key infrastructure into condition 1, *Table 1: infrastructure and equipment requirements*; and
- transfer all relevant existing regulatory controls and conditions to the new licence.

As a result of the above, the Delegated Officer decided to grant Licence L7168/1997/11 subject to conditions set out in the attached licence.

2. Scope of assessment

2.1 Application summary

On 4 October 2022 Electricity Energy and Retail Corporation (licence holder) applied to renew licence L7168/1997/10, as the licence is due to expire on 3 January 2023. The licence was granted to the licence holder for the Kalgoorlie Gas Turbine Station premises located at West Kalgoorlie Road, Yilkari (Premises).

The licence relates to the prescribed premises category 1 as described in Table 1.

Table 1: Premises category description and production design capacity

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

The Kalgoorlie Gas Turbine Station is used to provide emergency back-up electricity for Synergy's South West interconnected grid, especially in the Kalgoorlie region. The power station consists of two open cycle gas turbines with a total electricity generation output of 61.4 megawatts per annum, operated on distillate as the primary fuel. The power station is not attended with all turbines operated remotely from the System Operation Control Centre in East Perth. Each turbine is not expected to operate for more than 550 hours per year.

Under works approval W5774/2014/1 a wastewater treatment unit (Purceptor) was installed and commissioned. The unit was added to the existing triple interceptor waste treatment system to manage potentially contaminated stormwater following high rainfall events (1 in 20 year or larger events) and improve the removal of hydrocarbons from stormwater prior to discharge to the environment. Potentially contaminated stormwater is drained from the fuel unloading area, the fuel farm bunded area and the Unit 2 turbine compound bund to the triple interceptor /

Puraceptor treatment system, prior to off-site discharge at the western boundary of the premises.

At the time of issue of the new licence the Puraceptor was not fully operational, so when required the licence holder contracts a Controlled Waste carrier to pump out the triple interceptor for off-site disposal instead of discharging it to the environment. However, from a regulatory point of view the Delegated Officer has decided to include the option to discharge the treated wastewater (mainly rainwater) to the environment from the Puraceptor, so when then the licence holder fixed the issues with the Puraceptor it can be used without the need for a licence amendment. The expectation is that either way not very often treated wastewater is required to be discharged to the environment from the Premises.

3. Regulatory framework

The Delegated Officer has not conducted a full review and risk assessment of emissions and discharges from the Premises in line with the Department of Water and Environmental Regulation's (department) *Work Instruction: Regulatory Services, COVID-19 licensing position (October 2022)*.

In granting the licence, the Delegated Officer has considered and given due regard to the department's regulatory framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

4. Considerations for issuing a new licence

4.1 Compliance and enforcement actions

There have been no incidents or complaints identified at the Premises by the department in the last five years. There have been no enforcement actions taken against the occupier in the last 5 years regarding the licence.

4.2 Legal occupancy

The licence holder has demonstrated legal occupancy of the Premises.

4.3 Categories of the licence

The requested category and the corresponding maximum production capacities for the renewal of the licence are consistent with the category for which the licence holder currently holds a licence and which was previously assessed.

4.4 Planning approval

The licence holder has informed the department that it has planning approval for the activities on the Premises.

5. Summary of changes to the licence conditions

Section 62 of the *Environmental Protection Act 1986* (EP Act) provides the legal power to attach conditions to licences. Most licences are issued with conditions as per *Guidance Statement – Setting Conditions* (October 2015) to prevent, control, abate or mitigate pollution or environmental harm as a result of the emissions and/or discharges from the premises in question.

Table 1 summarises the changes from the expiring licence into the new licence including changes made to licence conditions where required and the rationale for changes made.

Table 1: Licence conditions changes, description and rationale

Current condition	Summary of current condition	New condition / table (if relevant)	Description and rationale
1.1.1; 1.1.3 & 1.1.4	Interpretation	N/A	Redundant conditions removed as no longer relevant.
1.1.2	Definitions	Table	Definitions revised to current licensing format.
1.2.1 – 1.2.4	General conditions	N/A	Redundant conditions removed as no longer relevant. Adequately covered by EP (Unauthorised Discharges) Regulations 2004.
-	Infrastructure & Equipment	1, Table 1	Standard condition in current licence format.
1.2.5	Stormwater management	2, Table 2	Previous stormwater condition replaced by detail provided in condition 1 and new condition 2 detailing the authorised treated stormwater discharge point.
2.1	Emissions - General	N/A	Redundant condition removed.
2.2.1	Emissions to air	3, Table 3	Transfer of existing condition.
2.3 – 2.8	Non-specified emissions conditions	N/A	Redundant conditions removed.
3.1	Monitoring general	N/A	Redundant condition removed.
3.2.1	Emissions to air monitoring	4, Table 4	Transfer of existing condition.
3.3 - 3.6	Non-specified monitoring conditions	N/A	Redundant conditions removed.
4	Improvements	N/A	Redundant condition removed.
5.1.1	Records		Revised to current licensing format.
5.1.2	Person left in charge of premises	N/A	Redundant condition removed.
5.1.3	AACR	6	Revised to current licensing format.
5.1.4	Complaints	5	Revised to current licensing format.
5.2.1	Reporting - AER	7, Table 5	Transfer of existing condition with changes to table Amendment notice change to biennial reporting after 1/10/2023 applied.
5.2.2	AER additional info required	N/A	Redundant condition removed
5.3.1	Notification	N/A	Redundant condition removed
-	Records	8 & 9	Revised to current licensing format.
-	Schedule 1: Maps	Figure 1	Transfer of existing premises boundary map
		Figure 2	Revised emissions points map with labelled key infrastructure added

6. Consultation

The Delegated Officer undertook the consultation for the application to renew the licence as per Table 1.

Table 1: Consultation

Consultation method	Comments received	Delegated Officer's response
Application advertised on the department's website on 27 October 2022.	None received	N/A
Local Government Authority advised of application on 26 October 2022,	The City of Kalgoorlie-Boulder replied on 21/11/2022 advising that no complaints had been received in relation to the premises and noted no significant changes to the licence.	None required
Applicant was provided with draft documents on 24 November 2022	The Applicant provided requested information regarding key infrastructure on 15 December 2022, noting that the Puraceptor is not currently operational.	<p>The Delegated Officer noted and applied minor changes to the design and operational details for the fuel farm as provided by the applicant.</p> <p>The Delegated Officer noted that the Puraceptor installed under works approval W5774/2014/1, is currently not operational, modifying the infrastructure condition to allow for the collection and off-site disposal of stormwater held in the triple interceptor, to be conducted by a Controlled Waste carrier as required. The Delegated Officer has included in the licence the option to discharge treated stormwater from the Puraceptor. The UDR's and the general provisions of the EP Act will ensure that any potential contamination of the receiving environment can be adequately addressed.</p>