



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Electricity Generation and Retail Corporation
T/A Synergy

Licence: L7167/1997/10

Registered office: Australia Place, 11th Floor,
15-17 William St
PERTH WA 6000

Premises address: Mungarra Gas Turbine Power Station
Nangetty-Walkaway Road
WEST CASIARINAS WA 6630
Being Lots 101 on Plan 59625 as depicted in Schedule 1.

Issue date: Thursday, 27 December 2014

Commencement date: Tuesday, 30 December 2014

Expiry date: Sunday, 29 December 2019

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue a licence. DER considers that in reaching this decision, it has taken into account all relevant considerations and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by:

Rachel Vukmirovic
Licensing Officer

Decision Document authorised by:

Stephen Checker
Manager Licensing



Contents

| | |
|--|------------------------------|
| Decision Document | 1 |
| Contents | 2 |
| 1 Purpose of this Document | 2 |
| 2 Administrative summary | 3 |
| 3 Executive summary of proposal and assessment | 4 |
| 4 Decision table | 5 |
| 5 Advertisement and consultation table | 5 |
| 6 Risk Assessment | 6 |
| Appendix A | Error! Bookmark not defined. |

1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

Standard conditions (SC)

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

Optional standard conditions (OSC)

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions is justified in Section 4 of this document.

Non standard conditions (NSC)

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in Section 4.



2 Administrative summary

| Administrative details | | |
|--|---|---|
| Application type | Works Approval <input type="checkbox"/> New Licence <input checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/> | |
| Activities that cause the premises to become prescribed premises | Category number(s) 52 | Assessed design capacity 113MW |
| Application verified | Date: 15/9/2014 | |
| Application fee paid | Date: 6/10/2014 | |
| Works Approval has been complied with | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | |
| Compliance Certificate received | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | |
| Commercial-in-confidence claim | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Commercial-in-confidence claim outcome | | |
| Is the proposal a Major Resource Project? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/> |
| Is the proposal subject to Ministerial Conditions? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Ministerial statement No: EPA Report No: |
| Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/> | |
| Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here. | | |
| Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP. | | |



3 Executive summary of proposal and assessment

Mungarra Gas Turbine Power Station is located approximately 70 kilometres (km) south east of Geraldton. The power station consists of three Frame 6 gas turbines:

- Units 1 and 2 which have been supplied to Hitachi and are rated at 37.4MW each; and
- Unit 3 which has been supplied by European Gas Turbines and is rated at 38.3MW.

The gas turbines are certified to operate in the Western Australian Wholesale Electricity Market (WEM). The principle function of this machine is to provide peak load capacity and load following and auxiliary services to the WEM.

The turbines can only be operated using natural gas. The gas turbine station is unmanned and the gas turbines are remotely operated and controlled by Western Power's Systems Operational Control Centre in East Perth. Synergy is responsible for the operation and maintenance of all turbines, plant and equipment at Mungarra Gas Turbine Station.

Key air emissions from the premises include nitrogen oxides, sulphur dioxide, particulates, carbon monoxide and volatile organic compounds. However, the risk associated with emissions to air is considered to be low.

There have been no operational changes on site in the last 12 months.

This Licence is a reissue of the existing licence and is the successor to licence L7167/1997/9.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

| DECISION TABLE | | | | |
|----------------------------------|---|------------|--|---------------------|
| Works Approval / Licence section | Condition number W = Works Approval L = Licence | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
| Licence Duration | N/A | N/A | This licence has been reissued for a 5 year period in line with DER procedure. There are no factors which require the reduction of the licence period. | |

5 Advertisement and consultation table

| Date | Event | Comments received/Notes | How comments were taken into consideration |
|------------|---|------------------------------|--|
| 20/10/2014 | Application advertised in West Australian (or other relevant newspaper) | Nil comments received | N/A |
| 21/11/2014 | Proponent sent a copy of draft instrument | Comments received 25/11/2014 | Minor administrative changes |



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

| Likelihood | Consequence | | | | |
|----------------|---------------|----------|----------|----------|---------|
| | Insignificant | Minor | Moderate | Major | Severe |
| Almost Certain | Moderate | High | High | Extreme | Extreme |
| Likely | Moderate | Moderate | High | High | Extreme |
| Possible | Low | Moderate | Moderate | High | Extreme |
| Unlikely | Low | Moderate | Moderate | Moderate | High |
| Rare | Low | Low | Moderate | Moderate | High |