



<b>Licence Number</b>	L7167/1997/10
<b>Licence Holder</b>	Electrical Generation and Retail Corporation T/As Synergy
<b>ACN</b>	673 830 106
<b>File Number:</b>	DER2014/001050-1
<b>Premises</b>	Mungarra Gas Turbine Power Station Nangetty-Walkaway Road WEST CASUARINAS WA 6630  Lot 101 on Plan 59625
<b>Date of Amendment</b>	7/05/2019
<b>Date of reissue</b>	13/05/2019

## Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act), as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

## Manager, Process Industries

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

## Definitions and interpretation

### Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

**Table 1: Definitions**

Term	Definition
Amendment Notice	refers to this document
AS 4323.1	means <i>Australian Standard AS 4323.1: Stationary source emissions – Selection of sampling point positions</i> .
Delegated Officer	an officer under section 20 of the EP Act.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
Licence Holder	insert Electrical Generation and Retail Corporation T/As Synergy

## Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

The following guidance statements have informed the decision made on this amendment are listed in Appendix 1.

## Amendment description

Electricity Generation and Retail Corporation T/A Synergy (the Licence Holder) operate the Mungarra Gas Turbine Power Station under Existing Licence L7167/1997/10. The power stations consists three Frame 6 gas turbines:

- Units 1 and 2 rated at 37.4MW each; and
- Unit 3 rated at 38.3MW.

On 18 April 2019 the Licence Holder applied to amend the Existing Licence to remove Unit 2 as it has been placed in care and maintenance and is scheduled to be decommissioned. Emission profiles from the remaining two units is not expected to change as a result of Unit 2 being decommissioned.

## Amendment history

Table 2 provides the amendment history for L7167/1997/10.

**Table 2: Licence amendments**

Instrument	Issued	Amendment
L7167/1997/10	6/1/2017	Amendment Notice 1 Amend registered business address
	11/10/2018	Amendment Notice 2 Removed condition 3.2.3 regarding the requirement to monitor emissions in accordance with AS 4323.1.
	7/05/2019	Amendment Notice 3 Remove Unit 2 and associated conditions. Corrected AN3 replaced on 13/05/2019

## Decision

The Delegated Officer has determined that the removal of Unit 2 and associated conditions from the Licence does not alter the risk profile of the Premises and has elected to grant the Amendment Notice.

## Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 2 May 2019. Comments received from the Licence Holder have been considered by the Delegated Officer as shown in Appendix 2.

## Amendment

1. Page 1 of the Licence is amended by the deletion of the text shown in strikethrough below and insertion of the text shown in red below:

### **Prescribed Premises Category**

*Schedule 1 of the Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
52	Electric power generation: Premises (other than Premises within category 53 or an emergency or standby power generating plant) on which electrical power is generated using a fuel	20 megawatts or more in aggregate (using natural gas) or  10 megawatts or more in aggregate (using a fuel other than natural gas)	<del>113 MW</del> 75.7MW

2. Conditions 2.2.1, 3.2.1 and 3.2.2 of the Licence are amended by the deletion of the text shown in strikethrough below and insertion of the text shown in red below:

- 2.1.1 The Licensee shall ensure that where waste is emitted to air from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

<b>Table 2.2.1: Point source emission points to air</b>			
<b>Emission point reference</b>	<b>Emission Point</b>	<b>Emission point height (m)</b>	<b>Source</b>
A1	Stack 1	10.6	Unit 1 of Frame 6 gas turbine supplied by Hitachi and rated at 37.4MW
A2	<del>Stack 2</del>	<del>10.6</del>	<del>Unit 2 of Frame 6 gas turbine supplied by Hitachi and rated at 37.4MW</del>
A3	Stack 3	9.2	Unit 3 of Frame 6 gas turbine supplied by European Gas Turbines and rated at 38.3MW

3.2.1 The Licensee shall undertake the monitoring of any one of the emission points listed in Table 3.2.1, according to the specifications in that table, on a rotational basis such that every stack is tested at least once in 3 <sup>2</sup> years while the turbine is being fired on gas.

<b>Table 3.2.1: Monitoring of point source emissions to air</b>					
<b>Emission point reference</b>	<b>Parameter</b>	<b>Units<sup>1, 2</sup></b>	<b>Averaging period</b>	<b>Frequency</b>	<b>Method</b>
Any one of A1, A2 or A3	NOx	mg/m <sup>3</sup> and g/s	Stack test (30 minutes average)	Annual	USEPA Method 7E
	CO		Stack test (30 minutes average)	Annual	USEPA Method 10
	VOCs		Stack test Spot sample	Annual	USEPA Method 18

Note 1: All units are referenced to STP dry

Note 2: All units are referenced to 15% O<sub>2</sub>.

3.2.2 The Licensee shall calculate on a monthly basis emissions data for parameters listed in Table 3.2.2 according to the specifications in that table using the Approved methodology.

<b>Table 3.2.2: Calculation of emissions air</b>				
<b>Emission point reference</b>	<b>Parameter</b>	<b>Units</b>	<b>Frequency</b>	<b>Method</b>
A1, A2, A3	NOx	mg/m <sup>3</sup> and g/s	Monthly	Approved Methodology
	SO <sub>2</sub>			
	PM			
	CO			
	VOCs			

## Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L7167/1997/10 – Mungarra Gas Turbine Power Station	L7167/1997/10	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
2	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
3	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	DER 2015b	
4	DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.	DER 2016a	
5	DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER 2016b	
6	DER, November 2016. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER 2016c	

## Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Notice on 2 May 2019 for review and comment. The Licence Holder responded on 3 May 2019 waiving the remaining comment period (until 24 May 2019). The following comments were received on the draft Amendment Notice. The licence Holder advised on 3 May 2019 (after issue) of administrative corrections required: condition 3.1.1 should read 3.2.1 and condition 3.1.2 should read 3.2.2.

Condition	Summary of Licence Holder comment	DWER response
3.1.1	The Licence Holder recommended changing the monitoring frequency specified in condition 3.1.1 from three yearly to two yearly to ensure emission testing at the Gas Turbine is undertaken on an annual basis.	The condition has been amended as per the recommendation of the Licence Holder.
NA	The Licence Holder confirmed the registered address is as per the current licence.	No change to the registered address is required.
3.1.1 and 3.2.1	Incorrect numbering on issued Amendment Notice	DWER to reissue AN3 with corrections made