Licence - 555

Licence Details		
Number:		
Anniversary Date:		

#### Licensee

ENERGYAUSTRALIA TALLAWARRA PTY LTD

555 01-July

PO BOX 20

DAPTO NSW 2530

#### **Premises**

TALLAWARRA POWER STATION UNIT 1 AND UNIT 2

**PRINCES HIGHWAY** 

YALLAH NSW 2530

#### **Scheduled Activity**

Electricity generation

### Fee Based Activity

Generation of electrical power from gas

#### Contact Us

NSW EPA

6 Parramatta Square

10 Darcy Street PARRAMATTA NSW 2150

Phone: 131 555

Email: info@epa.nsw.gov.au

Locked Bag 5022

PARRAMATTA NSW 2124



### <u>Scale</u>

> 4000 GWh annual generating capacity



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## Information about this licence

### Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

### **Responsibilities of licensee**

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

### Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

### **Duration of licence**

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

#### Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

### Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).



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The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

### Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

#### Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

#### This licence is issued to:

### ENERGYAUSTRALIA TALLAWARRA PTY LTD

PO BOX 20

#### DAPTO NSW 2530

subject to the conditions which follow.



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## **1** Administrative Conditions

### A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Electricity generation	Generation of electrical power from gas	> 4000 GWh annual generating capacity

Note: The scale of electricity generated must not exceed 6700 GWh, as listed in Project Approval 07\_0124.

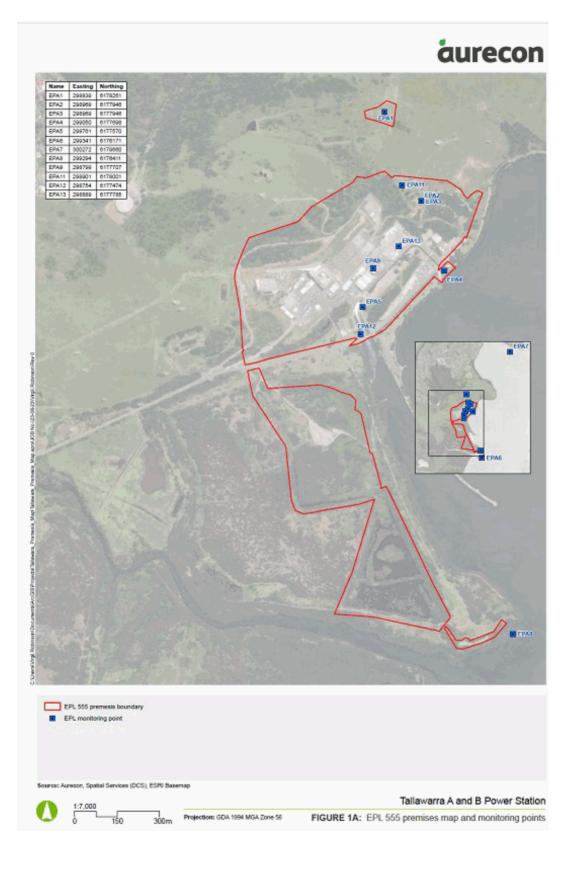
### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details	
TALLAWARRA POWER STATION UNIT 1 AND UNIT 2	
PRINCES HIGHWAY	
YALLAH	
NSW 2530	
THE AREAS CONTAINED WITHIN THE ORANGE SHADED AREAS ON THE MAP TITLED "PLAN OF PROPOSED TWO LOT TORRENS TITLE SUBDIVISION" DATED JULY 2008 ON EPA FILE LIC07/690-04 **NOTE 24/07/23: NEWER MAP AT DOC23/655090-1, TITLED 'FINAL PREMISES MAP (CONDITION A2.2) (TALLAWARRA UNIT 1 STACK AND UNIT 2)'. SEE A2.2 FOR MAP (PREMISES MAP).	

A2.2 The premises location is shown on the map below.

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### A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:



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Ancillary Activity

Sewage treatment

### A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

		Air	
EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description
9	Discharge to air. Air emissions monitoring.	Discharge to air. Air emissions monitoring.	Tallawarra Power Station Unit 1 Stack labelled as "EPA9" on Premises Map (EPA ref DOC23/586582-1).
11	Weather monitoring		Weather station located at the power station and labelled as "EPA 11" on Premises Map (EPA ref DOC23/586582-1).
13	Discharge to air. Air emissions monitoring.	Discharge to air. Air emissions monitoring.	Tallawarra Power Station Unit 2 Stack labelled as "EPA13" on Premises Map (EPA ref DOC23/586582-1).

- P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.
- P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

#### Water and land

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# **Environment Protection Licence**



EPA Identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to utilisation area.	Discharge to utilisation area.	Spray Irrigation Area labelled as "EPA 1" on Premises Map (EPA ref DOC23/586582-1).
2	Effluent quality monitoring		Treated Sewage Sampling port in effluent line from the effluent collection pit to the utilisation area labelled as "EPA 2" on Premises Map (EPA ref DOC23/586582-1).
3	Volume monitoring		Treated Sewage Volume Monitoring via a magnetic flow meter labelled as "EPA 3" on Premises Map (EPA ref DOC23/586582-1).
4	Ambient water monitoring		Inlet waters to the Power Station labelled as "EPA 4" on Premises Map (EPA ref DOC23/586582-1).
5	Discharge to waters. Discharge quality monitoring	Discharge to waters. Discharge quality monitoring	Cooling water discharge into the outlet canal downstream of the attemporation mixing zone, labelled as "EPA 5" on Premises Map (EPA ref DOC23/586582-1).
6	Ambient water monitoring		The waters of Lake Illawarra (450 mm above bed of lake) at the seagrass beds south of Wollingurry Point and labelled as "EPA 6" on Premises Map (EPA ref DOC23/586582-1).
7	Ambient water monitoring		The waters of Lake Illawarra (450 mm above bed of lake) at Koonawarra Bay and labelled as "EPA 7" on Premises Map (EPA ref DOC23/586582-1).
8	Discharge quality monitoring	Discharge quality monitoring	Drain leading from the water treatment wetland just upstream of the discharge at Wollingurry Point and labelled as "EPA 8" on Premises Map (EPA ref DOC23/586582-1).
12		Wet weather discharge	Outlet of pipe from the south east corner of the stormwater basin as labelled "EPA 12" on Premises Map (EPA ref DOC23/586582-1).

### P1.4 Environmental Objectives for Cooling Water Discharges

The Power Station must be designed, installed and operated to achieve the following environmental objectives:

i) there must be no non trivial adverse impact from the discharge on the biological communities or the receiving waters of Lake Illawarra.

ii) there must be no net loss of seagrass beds within the receiving waters of Lake Illawarra (excluding seagrass within the outlet canal).

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## 3 Limit Conditions

### L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.
- L1.2 Discharge of total suspended solids to water from LDP 12 is permitted when the stormwater basin discharge occurs solely as a result of rainfall at the premises.

### L2 Load limits

- L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.
- L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
Nitrogen Oxides (Air)	900000.00
Salt (Enclosed Water)	
Total suspended solids (Enclosed Water)	

- Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.
- L2.3 In consideration of the saline receiving waters of Lake Illawarra, limits, monitoring and reporting of Salt (Enclosed Water) and TSS (Enclosed Water) do not apply or are not required under condition L2.2.

### L3 Concentration limits

- L3.1 For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\s.
- L3.4 Air Concentration Limits



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#### POINT 9

	Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
	Nitrogen Oxides	parts per million	25	Dry, 273K, 101.3 kPa	15%	1 Hour Block
POINT	13					
	Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period

Dry, 273 K,

101.3 kPa

15%

L3.5 Water and/or Land Concentration Limits

parts per million

25

#### POINT 1

Nitrogen

Oxides

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Biochemical oxygen demand	milligrams per litre	na	na	na	20
Total suspended solids	milligrams per litre	na	na	na	30

#### POINT 5

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Temperature	degrees Celsius				35

#### L3.6 Notes:

Point 5 – Temperature of outlet waters. Notwithstanding the limit shown above for Point 5, actions must be taken so that the Environmental Objectives shown at Condition P1.4 are met at all times.

Point 9 and Point 13 – The "Protection of the Environment Operations (Clean Air) Regulation (2021)' Section 57 Exemptions relating to start up and shutdown periods states:

"The standards of concentration prescribed by this Part do not apply to or in relation to any plant during the following periods:

a "start-up" period -that is, while the plant is being brought up to normal operation following a period of



1 Hour Block

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inactivity,

a "shutdown" period -that is, while the plant is being taken out of service from normal operation to inactivity."

### L4 Volume and mass limits

L4.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of: a) liquids discharged to water; or;

b) solids or liquids applied to the area;

must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
1	kilolitres per day	100

### L5 Waste

- L5.1 The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.
- L5.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environment protection licence.

### L6 Noise limits

L6.1 The Licensee shall operate and maintain the project to ensure that the total cumulative noise contribution from the combined operation of the Unit Stack 1 and Unit Stack 2 power stations to the background acoustic environment does not exceed the noise limits specified in Table 1 and Table 2.

The localities set out in the Table 1 are those described in Appendix E of the Project Approval No. 07\_0124.

Definitions - For the purpose of Table 1:

"residence" is defined as any residential dwelling existing at the date of this approval and any residential dwelling, once constructed, on land zoned R2 - Low Density Residential under the Wollongong Local Environmental Plan 2009 at the identified locality.

"Day" is defined as 7:00 am to 6:00 pm Mondays to Saturdays and 8:00 am to 6:00 pm Sundays and public holidays.

"Evening" is defined as 6:00 pm to 10:00 pm on any day.

"Night" 10:00 pm to 7:00 am Mondays to Saturdays and 10:00 pm to 8:00 am Sundays and public holidays.





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#### Table 1 - Maximum Allowable Noise Limits Outside the Tallawarra Lands

Location	Day	Evening	Night	Night
	LAeq(15 minute)	LAeq(15 minute)	LAeq(15 minute)	LAmax
Locality T2 Any residence on Carlyle Close, Wollin Place, Coronet Place, and Crompton Street, in Koonawarra	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)
Locality T4 Any residence on Wyndarra Way and Malonga Place in Koonawarra	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)
Locality ML#9 Any residence on The Boulevarde, Park Crescent, Horsley Road and Newton Crescent in Oak Flats	38 dB(A)	38 dB(A)	38 dB(A)	45 dB(A)
Locality ML#10 Any residence on Reddall Parade and Henricks Parade in Mt Warrigal	38 dB(A)	38 dB(A)	38 dB(A)	45 dB(A)
Locality ML#11 Any residence in Haywards Bay	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)

L6.2 The proposed residential areas set out in Table 2 are those illustrated in EPA DOC23/735713-2, 'Revised with Koonawarra Location.pdf', dated 28/08/2023. For the purpose of Table 2, "residence" is defined as any residential dwelling once constructed, either prior to or post the construction and operation of the power station, on land zoned R2 - Low Density Residential or R5 - Large Lot Residential under the Wollongong Local Environmental Plan 2009 within the proposed residential areas.

If noise from an activity is substantially tonal, intermittent or impulsive in nature and contains major components within the low frequency range (as described in Noise Policy for Industry (NSW EPA, 2017)), 5 dB(A) must be added to the measured noise level when comparing the measured noise with the limits specified in Tables 1 and 2, in accordance with the requirements of the Noise Policy for Industry (NSW EPA, 2017).

The noise limits set out in Table 1 and Table 2 do not apply under: wind speeds greater than 3 metres per second (measured at 10 metres above ground level); or under stability category G temperature inversion conditions; or under stability category F temperature inversion conditions and wind speeds greater than 2 metres per second at 10 metres above the ground.



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Stability category temperature inversion conditions are to be determined by the sigma-theta method referred to in the Noise Policy for Industry (NSW EPA, 2017).

The data to be used for determining meteorological conditions is that recorded by the meteorological weather station located at the Unit Stack 1 power station.

Table 2 - Noise Limits for Tallawarra Lands Residential Areas

Location	Day	Evening	Night	Night
	LAeq(15 minute)	LAeq(15 minute)	LAeq(15 minute)	LAmax
Most affected residence - proposed northern residential area	If the Noise Policy for Industry (NSW EPA, 2017) Modification Factors for Low Frequency Noise apply – 40 dB(A), otherwise 38 dB(A)	If the Noise Policy for Industry (NSW EPA, 2017) Modification Factors for Low Frequency Noise apply – 40 dB(A), otherwise 38 dB(A)	If the Noise Policy for Industry (NSW EPA, 2017) Modification Factors for Low Frequency Noise apply – 40 dB(A), otherwise 38 dB(A)	50 dB(A)
Most affected residence - proposed central residential area	40 dB(A)	40 dB(A)	40 dB(A)	50 dB(A)
Most affected residence - proposed south-western residential area	41 dB(A)	41 dB(A)	41 dB(A)	51 dB(A)

Note: Further noise conditions are listed in Project Approval No. 07\_0124, which may be applied for noise management at the premises.

### L7 Potentially offensive odour

- L7.1 The Proponent shall not permit any offensive odour, as defined under section 129 of the Protection of the Environment Operations Act 1997, to be emitted beyond the boundary of the site.
- Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

## 4 Operating Conditions

### O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.



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This includes:

a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and

b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

### O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
  - a) must be maintained in a proper and efficient condition; and
    - b) must be operated in a proper and efficient manner.

### O3 Dust

O3.1 All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.

### O4 Effluent application to land

- O4.1 Effluent application must not occur in a manner that causes surface runoff.
- O4.2 The quantity of effluent applied to the utilisation area(s) must not exceed the capacity of the utilisation area(s) to effectively utilise the effluent.

For the purpose of this condition, "effectively utilise" includes the ability of the soil to absorb the nutrient, salt and hydraulic loads and the applied organic material without causing harm to the environment.

- O4.3 Spray from effluent application must not drift beyond the boundary of the premises.
- O4.4 Adequate notices, warning the public not to drink or otherwise use the treated effluent, must be erected on the site. These notices must be legible English and in any other languages as may be necessary, and must indicate at least that the water in use is "Reclaimed Water Unfit for Drinking".

#### O5 Processes and management

O5.1 Chemical antifouling controls must not be used in the water cooling system where such waters are discharged to Lake Illawarra.

#### O6 Other operating conditions

O6.1 When the temperature of inlet waters at Point 4 reaches and exceeds 27 degrees Celcius attemperation flows must be introduced to lower the temperature of waters discharged at Point 5.

Note: This condition has been applied because the licensee has advised that to protect receiving



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waters from excessive temperature rise that a slightly conservative estimate is to introduce attemperation flows when the temperature of inlet waters reach 27° C. Notwithstanding this condition all actions must be taken to comply with Limit Conditions and the environmental objectives shown at Condition P1.4.

O6.2 The burner/turbines must not be operated on diesel fuel. Natural gas is the only fuel approved for use in Unit Stack 1 and Unit Stack 2.

## 5 Monitoring and Recording Conditions

### M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
  - a) in a legible form, or in a form that can readily be reduced to a legible form;
  - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
  - c) produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
  - a) the date(s) on which the sample was taken;
  - b) the time(s) at which the sample was collected;
  - c) the point at which the sample was taken; and
  - d) the name of the person who collected the sample.

### M2 Requirement to monitor concentration of pollutants discharged

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:
- M2.2 Air Monitoring Requirements

### POINT 9

Pollutant	Units of measure	Frequency	Sampling Method
Moisture content	percent	Continuous	Special Method 1
Nitrogen Oxides	parts per million	Continuous	CEM-2 and US EPA Procedure 1
Oxygen (O2)	percent	Continuous	CEM-3 and US EPA Procedure 1
Temperature	degrees Celsius	Continuous	TM-2 and US EPA Procedure 1



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Volumetric flowrate cubic metres per second Continuous CEM-6 and US EPA Procedure 1

#### POINT 13

Pollutant	Units of measure	Frequency	Sampling Method
Moisture	percent	Continuous	Special Method 1
Nitrogen Oxides	parts per million	Continuous	CEM-2 and US EPA Procedure 1
Oxygen (O2)	percent	Continuous	CEM-3 and US EPA Procedure 1
Temperature	degrees Celsius	Continuous	TM-2 and US EPA Procedure 1
Velocity	metres per second	Continuous	CEM-6 and US EPA Procedure 1
Volumetric flowrate	cubic metres per second	Continuous	CEM-6 and US EPA Procedure 1

- Note: Procedure 1 refers to the Quality Assurance Requirements for Gas Continuous Emission Monitoring Systems Used For Compliance Determination, US EPA.
- Note: For the purposes of Nitrogen Oxides monitoring at Point 9 and Point 13, yearly monitoring must be conducted using TM-11 & Procedure 1\*. Continuous Monitoring must be conducted using CEM-2.
- Note: For the purpose of the tables above, Special Method 1 means any moisture monitoring method approved in writing by the EPA and US EPA Procedure 1. The sampling methods are those specified in the Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA, 2016), or its latest version.
- Note: As part of the required air quality monitoring for Identification Point 13, the Licensee must evaluate the selection of sampling positions using sampling method TM-1.
- M2.3 Water and/ or Land Monitoring Requirements

#### POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Biochemical oxygen demand	milligrams per litre	Special Frequency 1	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

#### POINT 4,5,6,7

Pollutant	Units of measure	Frequency	Sampling Method
Temperature	degrees Celsius	Continuous	Probe

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#### POINT 8

Pollutant	Units of measure	Frequency	Sampling Method
Copper	micrograms per litre	Monthly during discharge	Grab sample
Nitrogen (total)	milligrams per litre	Monthly during discharge	Grab sample
рН	рН	Monthly during discharge	Grab sample
Total Phosphorus - filtered sample	milligrams per litre	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample
Zinc	micrograms per litre	Monthly during discharge	Grab sample

Note: Special Frequency 1 means quarterly during discharge.

### M3 Testing methods - concentration limits

M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:

a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or

b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or

c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

- M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.
- Note: The *Protection of the Environment Operations (Clean Air) Regulation 2022* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

### M4 Testing methods - load limits

Note: Division 4 of the *Protection of the Environment Operations (General) Regulation 2022* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.





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### M5 Recording of pollution complaints

- M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.
- M5.2 The record must include details of the following:
  - a) the date and time of the complaint;

b) the method by which the complaint was made;

c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;

d) the nature of the complaint;

e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and

f) if no action was taken by the licensee, the reasons why no action was taken.

- M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

#### M6 Telephone complaints line

- M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.
- M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.
- M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

#### M7 Requirement to monitor volume or mass

- M7.1 For each discharge point or utilisation area specified below, the licensee must monitor:
  - a) the volume of liquids discharged to water or applied to the area;

b) the mass of solids applied to the area;

c) the mass of pollutants emitted to the air;

at the frequency and using the method and units of measure, specified below.

#### POINT 3

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	In line instrumentation

### M8 Other monitoring and recording conditions



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- M8.1 The waters of Lake Illawarra must be monitored as detailed in the document "Tallawarra Combined Cycle Gas Turbine Power Station Water Quality and Biological Community Management Plan" dated 8 May 2008, which is filed on EPA file LIC07/690-03.
- M8.2 Mapping must be undertaken annually using data collected during summer (1 December 28 or 29 February), unless otherwise agreed to in writing by the EPA.

## 6 Reporting Conditions

### R1 Annual return documents

- R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:
  - 1. a Statement of Compliance,
  - 2. a Monitoring and Complaints Summary,
  - 3. a Statement of Compliance Licence Conditions,
  - 4. a Statement of Compliance Load based Fee,
  - 5. a Statement of Compliance Requirement to Prepare Pollution Incident Response Management Plan,
  - 6. a Statement of Compliance Requirement to Publish Pollution Monitoring Data; and
  - 7. a Statement of Compliance Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

- R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.
- R1.3 Where this licence is transferred from the licensee to a new licensee:

a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and

b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or

b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').
- R1.6 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date.

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The notification must specify:

a) the assessable pollutants for which the actual load could not be calculated; and

b) the relevant circumstances that were beyond the control of the licensee.

- R1.7 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.
- R1.8 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
  - a) the licence holder; or
  - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.
- Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.
- Note: An application to transfer a licence must be made in the approved form for this purpose.

### R2 Notification of environmental harm

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.
- Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

### R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

a) where this licence applies to premises, an event has occurred at the premises; or

b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,

and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

- R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.
- R3.3 The request may require a report which includes any or all of the following information:

a) the cause, time and duration of the event;

b) the type, volume and concentration of every pollutant discharged as a result of the event;

c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;

d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making

SC Stranger



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reasonable effort;

e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and

g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

### R4 Other reporting conditions

R4.1 The licensee must submit a report with each Annual Return, which details the results of all monitoring undertaken in the licensing period being reported on. The report must include, but need not be limited to:

AIR

• Column graphs showing the annual loads of nitrogen oxides emitted from Point 9 and Point 13 for the current reporting year, plus the nine preceding years (where such data exists). A brief narrative must be included on the changes in pollutant loads between reporting periods.

#### NOISE

• A copy of a report on the annual noise monitoring must be included with the Environmental Monitoring Report. This report must detail the results of the noise monitoring required under the Monitoring Conditions of this licence at each of the receiver locations detailed in the Limit Conditions of this licence. If the monitoring shows noise limits have been exceeded the report must detail actions that will be taken by the licensee, including timelines, to ensure licence limits can be met at all times.

Note: In consideration of the current noise environment at Tallawarra and the EPA comments on the Licensee's Revised Noise Assessment Methodology (EPA reference DOC14/145697-21), the EPA places annual noise monitoring requirements on hold.

#### WATER

• A graphical presentation of temperature at Point 5, 6 and 7 including a line showing the licence limit for this point.

• Discussion as to whether the thermal discharge has caused the water temperature to increase by more than 2 degrees Celsius at Point 6 compared to background lake temperature (Point 7).

• A graphical summary of past and present ambient water quality monitoring of Lake Illawarra waters as detailed in the document "Tallawarra Combined Cycle Gas Turbine Power Station Water Quality and Biological Community Management Plan" dated 8 May 2008.

#### R4.2 BIOLOGICAL

The results of the annual seagrass monitoring and mapping. The report must include:

• Whole Lake Mapping - Diagrams of Lake Illawarra showing the extent of seagrass coverage obtained from broadscale mapping and detailing the area in km2 covered by seagrasses. Maps showing seagrass coverage pre-power station in 2007 and 2008 and the current year's mapping must be provided.



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• South-West Lake Mapping - The seagrasses south of the power station (from Wollingurry Point to Macquarie Rivulet) must be depicted in maps with a legend that show:

- the broad coverage of seagrasses;

- the "baseline" that has been established at Wollingurry Point;

- the area (in square metres) covered by the seagrasess within the area between the baseline at Wollingurry Point to the mouth of Macquarie Rivulet;

- the area (in square metres) covered by each type of seagrass within the area between the baseline at Wollingurry Point to the mouth of Macquarie Rivulet;

- the average percent coverage of seagrasses in the 0-1 m depth zone at the three sites located south of Wollingurry Point;

- the average percent coverage of seagrasses in the 1-2 m depth zone at the three sites located south of Wollingurry Point;

The map for the current year must be presented with the pre-power station mapping results for 2007 and 2008.

• A Comparison of Seagrasses in the South-west Lake to the Control Site - A comparison of the seagrass coverage in the three sites south of Wollingurry Point compared to the seagrass coverage at the control site at Koonawrra Bay for both the 0-1 m and 1-2 m depth zone must be provided. A tabular presentation showing the average zostera coverage at each location for the current year's sampling compared to the average zostera coverage for pre-power station sampling in 2007 and 2008 must be provided.

• Fine Scale Baseline Mapping - For the baseline sampling:

- The mean cover of each seagrass species and macroalgae across the three transects must be provided at each distance along the transect for both the 0-1 m and 1-2 m depth zones.

- The mean seagrass coverage described above must be presented as a line graph showing the mean for cover at each distance for the 0-1 m depth zone.

- The mean seagrass coverage described above must be presented as a line graph showing the mean for cover at each distance for the 1-2 m depth zone.

- The line graphs described above must show every year sampled (in 2 combined graphs) of the 0-1 m and 1-2 m data, plus a separate graph for the current year's sampling.

• Conclusions about the impact (if any) of the power station cooling water plume on the seagrasses of Lake Illawarra.

Note: Revisions to the above condition were made in 2017 based, in part, on monitoring data collected since 2007. The licensee has requested further revisions in 2018. The EPA is willing to review further comprehensive proposals for condition changes supported by monitoring data.

## 7 General Conditions

### G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the

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premises.

### G2 Other general conditions

#### G2.1 Completed Programs

Program	Description	Completed Date
PRP 1: Stormwater Management Control System	PRP 1: Upgrade of Stormwater Management Control System. To identify and implement a contaminated stormwater retention, monitoring and disposal system.	30-June-2010
Feasibility Assessment of Cooling Water System Modifications	Feasibility assessment of modifications to minimise impacts on fish and invertebrates that pass through the cooling water system.	16-November-2017

## 8 Special Conditions

### E1 Completed Special Conditions

E1.1

Special Condition	Completed
Post Commissioning Testing to Verify Air Pollutant Emissions	August 2011
Temporary Use of Asbestos Repository	August 2011
Thermoshock Fish Mortality Investigation	February 2013
Seagrass Monitoring Trial Using Low Level Aerial Photography	March 2015 (see note)
Revised Noise Assessment Methodology	July 2023

Note: This trial was discontinued at the request of the licensee after 1 of the specified 2 years of monitoring. This licensee cited the low quality monitoring data and high costs as the basis of this request.

### E2 Tallawarra B Construction Conditions

E2.1 Prior to the commencement of construction the licensee must prepare and submit a Construction Environmental Management Plan (CEMP) to the EPA for the Tallawarra B Power Station.

Note 1: A copy of the Project Approval (consolidated) is kept on EPA file DOC20/1009475.

Note 2: Following satisfactory completion of the CEMP per Project Approval condition 7.2, EPA will remove this condition from the licence.







- E2.2 1. "Unless permitted by another condition of this licence, construction works and activities related to the construction of the Tallawarra B Power Station must:
  - (a) only be undertaken between the hours of 7:00 am and 6:00 pm Monday to Friday;
  - (b) only be undertaken between the hours of 8:00 am to 1:00 pm on Saturday; and
  - (c) not be undertaken on Sundays or public holidays"; and

2. "The categories of works that may be undertaken outside the hours of operation permitted by the above condition are:

(a) construction work that causes LAeq(15 minute) noise levels that are no more than 5 dB above rating background levels at any residence; or

(b) the delivery of materials requested by police or other authorised authorities for safety reasons; or

(c) emergency work to avoid the loss of lives, property, and/or to prevent environmental harm; or

(d) other activities as agreed by the EPA; or

(e) works approved by the Secretary of the Department of Planning, Industry and Environment under condition 3.2 of approval 07\_0124, provided the EPA is notified in advance of each out-of-hours work occurrence.

3. The EPA must be consulted in to support any proposed variation in construction times. (Modified from Project Approval condition 3.2).

E2.3 The licensee must ensure that all feasible and reasonable noise and vibration mitigation and management measures are implemented during construction work authorised by this licence for the Tallawarra B Power Station, in accordance with the Interim Construction Noise Guideline (DECC, 2009)".

### E3 Monitoring Program

#### E3.1 Background

In 2021 a premises wide poly-fluoroalkyl substances (PFAS) investigation was undertaken at Tallawarra Power Station. The monitoring identified 1 groundwater monitoring well where the concentration exceeded the relevant assessment criteria near a former switch yard.. In order to gather more information about at this location, EPA is requiring this 3 year monitoring. There were no detections of PFAS in the Lake Illawarra sampling.

#### E3.2 Requirements

Unless otherwise agreed in writing by the EPA:

a) the licensee must undertake an annual monitoring program for 3 years (2022 - 2024).

b) By 30 March 2022 the licensee must submit a proposed monitoring program to the EPA for approvation monitoring program must include, but may not be limited to, annual sediment, surface water, soi groundwater monitoring at, and in the vicinity of the sampling locations previously marked GW04, MW SW1 / SED1, or any justification why monitoring is not proposed to be undertaken.

c) Samples collected through the approved monitoring program must be analysed for:

perfluorosurfactants (PFAS), perfluorooctane sulfonate, perfluorooctanoic acid and perfluorohexane sulfonate. supporting parameters such as standing levels within monitored wells, conductivity, redox, pH, dissolved oxygen and temperature for water samples.

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d) The laboratory must be NATA accredited for the analysis required above (with the exception of the supporting parameters detailed in c) II. above).

E3.3 e) Sampling results collected through the approved program must be reported annually to the EPA summarised format. The third, and final monitoring event must be submitted in a Monitoring Program I Report (the report). All reports must include but may not be limited to:

i. monitoring data and program findings to date;

ii. a discussion regarding any further delineation or data gaps;

iii. a discussion regarding the adequacy of the monitoring procedures;

iv. comparison against relevant assessment criteria;

v. details on the extent of the analytes monitored by the Program through text and figures;

vi. an assessment of human health and ecological risks posed by PFAS (if identified in samples above the relevant assessment criteria);

vii. relevant hydrogeological parameters (e.g. groundwater flow direction, gradient, seepage velocity, estimated plume boundaries)

#### Due Date

The report must be provided to the EPA by eight (8) weeks following the collection of the third year samples. Note: if the licensee identifies any potentially significant risks during the investigation timeframe, they must notify the EPA as soon as practicable.

### E4 Air Quality Performance Verification

E4.1 Within six months of the commencement of operation of Unit 2 Stack, or as may be agreed or directed by the Secretary, and during a period in which the project is operating at both maximum design loads and under normal operating conditions, the Proponent shall undertake a program to confirm the air emission performance of the project. The program shall include, but not necessarily be limited to:

a) point source emission sampling and analysis subject to the requirements listed under condition 4.7 of the Project Approval no. 07\_0124 to determine compliance with the stack discharge concentration limits identified in condition 3.24 of the Project Approval no. 07\_0124;

b) a comprehensive air quality impact assessment, using actual air emission data collected under a). The assessment shall be undertaken strictly in accordance with the methods outlined in Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales (EPA, 2017), or its latest version;

c) a comparison of the results of the air quality impact assessment required under b) above, and the predicted air quality impacts detailed in the Air Quality Assessment, Tallawarra B Permit Modification: Air Quality Assessment, EnergyAustralia, Katestone, dated June 2020; and

d) a comparison of the results of the air quality impact assessment required under b) above, and the impact assessment criteria detailed in Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW (EPA, 2017), or its latest version.



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E4.2 In the event that results of the air dispersion modelling indicates that the operation of the project, under maximum design loads or normal operating conditions, will lead to:

a) greater point source emissions of air pollutants than permitted under Condition 3.24 of Project Approval 07\_0124 or

b) greater ground-level concentrations of air pollutants than the impact assessment criteria detailed in Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales (EPA 2017);

then the Licensee shall provide details of remedial measures to be implemented to reduce point source emissions and/ or ground-level concentrations of air pollutants to no greater than permitted under this licence. Details of the remedial measures and a timetable for implementation shall be submitted to the EPA for approval within such period as the EPA may require.

### E5 Weather Monitoring

E5.1 The Licensee shall monitor the weather parameters on site in accordance with the sampling methods, units of measure, averaging periods and frequency specified in the table below.

Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method
Rainfall	mm	Continuos	1 hour	AM-4
Wind speed at 10 metres	m/s	Continuous	15 minute	AM-2 & AM-4
Wind direction at 10 metres		Continuous	15 minute	AM-2 & AM-4
Temperature at 2 metres	°C	Continuous	15 minute	AM-4
Temperature at 10 metres	°C	Continuous	15 minute	AM-4
Sigma theta at 10 metres		Continuous	15 minute	AM-2 & AM-4
Solar radiation	W/m²	Continuous	15 minute	AM-4
Additional requirements: - Siting - Measurement				AM-1 & AM-4 AM-2 & AM-4

### E6 Operational Noise Review

E6.1 - Within 90 days of the commencement of operation of Unit 2 Stack, or as may be agreed by the EPA, and during a period in which the project is operating under design loads and normal operating conditions, the Licensee shall undertake an Operational Noise Review to confirm the noise emission performance of the



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project. The Review shall be prepared in consultation with, and to the satisfaction of, the EPA.

- E6.2 Noise monitoring is to be consistent with the guidelines provided in the Noise Policy for Industry (NSW EPA, 2017) and must include attended noise monitoring at the receiver locations identified in Table 1 and Table 2. The noise assessment must include monitoring of Unit 2 Stack operations that have the potential to cause offensive noise including, but not limited to, safety valve operation, blowdown operation and the operation of circuit breakers during the day, evening and night time periods at the locations defined in conditions L6.1 and L6.2 of this licence.
- E6.3 For the purpose of assessment of noise emissions, noise shall be:

a) measured at the most affected point within the residential boundary or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary;

b) measured at one metre from the dwelling facade to determine compliance with the LAmax noise limits specified in Table 1 and in Table 2 of this licence; and

c) in the case of the proposed residential areas within the Tallawarra Lands, measured at the most affected point within each residential area.

Notwithstanding, should direct measurement of noise from Unit 2 Stack be impractical, the Licensee may employ an alternative noise assessment method deemed acceptable by the EPA (refer to Noise Policy for Industry (NSW EPA, 2017). Details of such an alternative noise assessment method accepted by the EPA shall be submitted to the EPA prior to the implementation of the assessment method.

E6.4 A report providing the results of the Operational Noise Review shall be submitted to the EPA within 90 days of completion of the monitoring. The report shall include, but not necessarily be limited to:

a) a description of the methodologies for noise monitoring, including the location of monitoring sites and frequency of monitoring;

b) documentation of the operational noise levels at the locations defined in Table 1 and in Table 2 of this licence as ascertained by the noise monitoring program;

c) an assessment of the noise performance of the project against the noise limits specified in Table 1 and in Table 2 of this licence and the predicted noise levels as detailed in the report referred to under condition 1.1c) of Project Approval No. 07\_0124;

d) details of the meteorological conditions prevailing during the monitoring;

e) a proposed ongoing Operational Noise Monitoring Program to provide a noise emissions data set and on completion of the data set, a recommendation for the parameters to include in an Ongoing Operational Noise Monitoring Program.

Note: The EPA may require that the Licensee implement an Operational Noise Monitoring Program (prior to the completion of the data set referred to in condition E7.4) if construction of a sensitive receiver is initiated.

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### E7 Ongoing Operational Noise Monitoring

E7.1 The Licensee shall prepare and implement an Operational Noise Monitoring Program to assess ongoing compliance against the operational noise limits set out in conditions L6.1 and L6.2 of this licence. The noise monitoring program shall be prepared in consultation with, and to the satisfaction of, the EPA. Noise monitoring is to be consistent with the guidelines provided in the Noise Policy for Industry (NSW EPA, 2017) and must include, but not be limited to:

a) noise monitoring at the locations specified in Table 1 and in Table 2 of this licence, in accordance with the requirements of conditions L6.1 and L6.2 of this licence;

b) attended noise monitoring;

c) monitoring of operations that have the potential to cause offensive noise including, but not limited to, safety valve operation, blowdown operation and the operation of circuit breakers during the day, evening and night time periods; and

d) monitoring of the effectiveness of any noise mitigation measures implemented under condition 7.2 of Project Approval No. 07\_0124, against the noise limits specified in conditions L6.1 ad L6.2 of this licence.

The monitoring program shall form part of the Operational Noise Review referred to in condition E6 of this licence.

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## Dictionary

### **General Dictionary**



3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
АМ	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997



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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.	
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environmen t Operations Act 1997	
grab sample	Means a single sample taken at a point at a single time	
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997	
licensee	Means the licence holder described at the front of this licence	
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009	
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997	
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997	
MBAS	Means methylene blue active substances	
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997	
mobile plant	bile plant Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997	
motor vehicle	r vehicle Has the same meaning as in the Protection of the Environment Operations Act 1997	
O&G	Means oil and grease	
percentile [in relation to a concentration limit of a sample]	to a specified in the licence for that pollutant over a specified period of time. In this licence, the specified period tration limit of time is the Reporting Period unless otherwise stated in this licence.	
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.	
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997	
premises	Means the premises described in condition A2.1	
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997	
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence	
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.	
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997	
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997	
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997	
тм	Together with a number, means a test method of that number prescribed by the Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.	



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TSP	Means total suspended particles	
TSS	Means total suspended solids	
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements	
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements	
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence	
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997	
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non- putrescible), special waste or hazardous waste	
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.	

#### Mr Jim Clarence

**Environment Protection Authority** 

(By Delegation)

Date of this edition: 25-September-2000

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### **End Notes**

- 1 Licence varied by notice 1021958, issued on 01-Nov-2002, which came into effect on 26-Nov-2002.
- 2 Licence varied by notice 1025490, issued on 01-Apr-2003, which came into effect on 26-Apr-2003.
- 3 Licence transferred through application 141946, approved on 12-May-2003, which came into effect on 30-Apr-2003.
- 4 Licence varied by notice 1049619, issued on 10-Jan-2006, which came into effect on 04-Feb-2006.
- 5 Licence varied by change to DEC Region allocation, issued on 16-Mar-2006, which came into effect on 16-Mar-2006.
- 6 Licence varied by notice 1067032, issued on 05-Mar-2007, which came into effect on 05-Mar-2007.
- 7 Licence varied by notice 1088755, issued on 28-Jul-2008, which came into effect on 28-Jul-2008.
- 8 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 9 Licence varied by notice 1098626, issued on 17-Dec-2009, which came into effect on 17-Dec-2009.
- 10 Licence varied by notice 1114052, issued on 14-May-2010, which came into effect on 14-May-2010.
- 11 Licence varied by notice 1119758, issued on 03-Nov-2010, which came into effect on 03-Nov-2010.
- 12 Licence varied by notice 1128413, issued on 01-Jun-2011, which came into effect on 01-Jun-2011.
- 13 Licence varied by notice 1129673, issued on 11-Jul-2011, which came into effect on 11-Jul-2011.
- 14 Licence varied by notice 1501706 issued on 27-Sep-2011
- 15 Licence varied by notice 1502764 issued on 15-Nov-2011
- 16 Licence fee period changed by notice 1504555 on 23-Feb-2012
- 17 Licence varied by notice 1506982 issued on 13-Aug-2012
- 18 Licence varied by notice 1508846 issued on 17-Sep-2012
- 19 Licence varied by notice 1510212 issued on 27-Feb-2013
- 20 Licence varied by notice 1512577 issued on 07-Mar-2013
- 21 Licence varied by notice 1515152 issued on 25-Jun-2013





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22	Licence varied by notice	1518598 issued on 24-Dec-2013
23	Licence varied by notice	1529440 issued on 22-Apr-2015
24	Licence varied by notice	1534380 issued on 30-Sep-2015
25	Licence varied by notice	1539350 issued on 05-Apr-2016
26	Licence varied by notice	1554952 issued on 07-Aug-2017
27	Licence varied by notice	1558840 issued on 22-Nov-2017
28	Licence varied by notice	1559772 issued on 22-Dec-2017
29	Licence varied by notice	1563234 issued on 28-Mar-2018
30	Licence varied by notice	1564512 issued on 17-Jul-2018
31	Licence varied by notice	1572414 issued on 24-Feb-2020
32	Licence varied by notice	1607489 issued on 06-Apr-2021
33	Licence varied by notice	1608709 issued on 05-May-2021
34	Licence varied by notice	1614157 issued on 01-Dec-2021
35	Licence varied by notice	1629028 issued on 23-Nov-2023