



# Environment Protection Licence

Licence - 13036

Licence Details	
Number:	13036
Anniversary Date:	01-July

Licensee	
SNOWY HYDRO LIMITED	
PO BOX 332	
COOMA NSW 2630	

Premises	
COLONGRA POWER STATION	
OFF SCENIC DRIVE	
BUDGEWOI NSW 2262	

Scheduled Activity	
Electricity generation	

Fee Based Activity	Scale
Generation of electrical power from diesel	0-250 GWh annual generating capacity
Generation of electrical power from gas	> 1000-4000 GWh annual generating capacity

Contact Us	
NSW EPA	
6 Parramatta Square	
10 Darcy Street	
PARRAMATTA NSW 2150	
Phone: 131 555	
Email: <a href="mailto:info@epa.nsw.gov.au">info@epa.nsw.gov.au</a>	
Locked Bag 5022	
PARRAMATTA NSW 2124	



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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:

SNOWY HYDRO LIMITED
PO BOX 332
COOMA NSW 2630

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 diesel	0 - 250 GWh annual generating capacity
Electricity generation	Generation of electrical power from gas	> 1000 - 4000 GWh annual generating capacity

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

A2.1 The licence applies to the following premises:

Premises Details
COLONGRA POWER STATION
OFF SCENIC DRIVE
BUDGEWOI
NSW 2262
LOT 122 DP 1290829
PREMISES MARKED BY YELLOW SHADING AND BOUNDED BY THE RED LINE AS 'EPL 13036 PREMISES BOUNDARY' ON THE DOCUMENT "COLONGRA POWER STATION EPL BOUNDARY" DATED 13/03/2023, AND AS SHOWN IN RELATED SHAPEFILES, AS PROVIDED TO THE EPA BY EMAIL TITLED 'FWD: FW: EPL VARIATION TO REFLECT LICENSED BOUNDARY CHANGES' DATED 22/03/2023 (EPA REF DOC23/231715-1).

### A3 Information supplied to the EPA

A3.1 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.



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A3.2 Any other document and/or management plan is not to be taken as part of the documentation in condition A3.1, other than those documents and/or management plans specifically referenced in this licence.

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

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

- P1.1 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.
- P1.2 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
1	Discharge to air Discharge quality monitoring	Discharge to air Discharge quality monitoring	Stack from gas turbine 1 - stack height 35 metres
2	Discharge to air Discharge quality monitoring	Discharge to air Discharge quality monitoring	Stack from gas turbine 2 - stack height 35 metres
3	Discharge to air Discharge quality monitoring	Discharge to air Discharge quality monitoring	Stack from gas turbine 3 - stack height 35 metres
4	Discharge to air Discharge quality monitoring	Discharge to air Discharge quality monitoring	Stack from gas turbine 4 - stack height 35 metres
5	Meteorological weather monitoring		Onsite weather station

## 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.

### 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.



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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)	

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

### 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 Air Concentration Limits

#### POINT 1,2,3,4

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	60	Dry, 273K, 101.3kPa	15%	1 hour block

L3.3 The concentration limits in the table above, under condition L3.2, apply when operating on gas.

L3.4 When operating on diesel, for each monitoring point specified in the table below (by a point number), the concentration of a Nitrogen Oxides discharged at that point must not exceed the concentration limit specified in the table.

#### POINT 1, 2, 3, 4

Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
milligrams per cubic metre	90	Dry, 273K, 101.3kPa	15%	1 hour block

Note: This condition does not authorise the type of fuel used and does not affect any condition of this licence relating to fuels used in firing fuel burning equipment regulated by this licence.

Note: For the purpose of the licence, Nitrogen Oxides means: Nitrogen Dioxide (NO<sub>2</sub>) or Nitric Oxide (NO) or both, as NO<sub>2</sub> equivalent.

L3.5 The limits contained in this licence do not apply during a period of start up or shut down, as defined by the Protection of the Environment Operations (Clean Air) Regulation 2022.



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Note: While the limits contained in this licence do not apply under the specified periods, the licensee will still be subject to the requirements of Section 128(2) of the Protection of the Environment Operations Act 1997.

## L4 Waste

L4.1 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 Noise limits

L5.1 The licensee must ensure that noise contributions from the premises to the background acoustic environment do not exceed the maximum allowable noise contributions specified in the table below at the locations and during the periods indicated in the table. The maximum allowable noise contributions apply under wind speeds up to 3 ms<sup>-1</sup>(measured at 10 metres above ground level), or under temperature inversion conditions of up to 3°C/100 metres.

Location	Day	Evening	Night
	(7am to 6pm Mon to Sat and 8am to 6pm Sun and P/Hol)	(6pm to 10pm any day)	(10pm to 7am Mon to Sat and 10pm to 8am Sun and P/Hol)
	L <sub>Aeq</sub> (15 Minutes)	L <sub>Aeq</sub> (15 Minutes)	L <sub>Aeq</sub> (15 Minutes)
Sunnylake Caravan Park	40	40	40
Macleay Avenue	45	45	45
Woolana Avenue, Halekulani	41	41	41
Ulana Avenue, Budgewoi	41	41	41
Barega Close, Buff Point	39.5	39.5	39.5
Barker Avenue, San Remo	40	40	40
Denman Street, Colongra	39.5	39.5	39.5

Note: For the purposes of assessment of noise contributions specified in this licence, noise from the premises shall be measured as follows:

- a) at any point within the residential boundary, or at any point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary; and
  - b) subject to modification factors provided in Fact Sheets C and D of the Noise Policy for Industry (EPA, 2017) where applicable.
- Should direct measurement of noise contributions from the premises be impractical, the licensee may apply to the EPA to use an appropriate alternative noise assessment method.

EPA approval of an alternative noise assessment method must be obtained prior to the implementation of the assessment method.

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## **L6 Potentially offensive odour**

- L6.1 No condition of this licence identifies a potentially offensive odour for the purposes of Section 129 of the Protection of the Environment Operations Act 1997.

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.

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 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

- O3.2 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.

- O3.3 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

### **O4 Waste management**

- O4.1 The licensee must ensure that any liquid and/or non liquid waste generated and/or stored at the premises is assessed and classified in accordance with the EPA's Waste Classification Guidelines as in force from time to time.

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## O5 Other operating conditions

- O5.1 The emergency diesel generators powered by internal combustion compression ignition engines must only be used for emergency black starts as specified in the environmental assessment or for the testing and maintenance of the units.
- O5.2 The licensee must store and handle all liquid chemicals and hazardous materials used at the premises within bunded areas that are constructed and maintained in accordance with the following:
- a) any relevant Australian Standards for the liquids being stored;
  - b) within a bunded area with a minimum bund capacity of 110% of the volume of the largest single stored vessel within the bund;
  - c) the Storing and Handling Liquids: Environmental Protection Participant's Manual (DECC, 2007); and where any conflict exists between these requirements, the most stringent requirements apply.
- Note: For the purpose of this condition, any tanks or other storage vessels that are interconnected and may distribute their contents either by gravity or automated pumps must be considered a single vessel.
- O5.3 The sulfur content in the diesel fuel used for firing the power station must comply with the Australian Government's *Fuel Quality Standards (Automotive Diesel) Determination 2019* made under the *Fuel Quality Standards Act 2000*.

## 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

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## POINT 1,2,3,4

Pollutant	Units of measure	Frequency	Sampling Method
Carbon dioxide	percent	Yearly	TM-24
Dry gas density	kilograms per cubic metre	Yearly	TM-23
Moisture content	percent	Yearly	TM-22
Molecular weight of stack gases	grams per gram mole	Yearly	TM-23
Nitrogen Oxides	milligrams per cubic metre	Continuous during discharge	CEM-2
Oxygen (O <sub>2</sub> )	percent	Yearly	TM-25
Temperature	Celsius	Yearly	TM-2
Velocity	metres per second	Yearly	TM-2
Volumetric flowrate	cubic metres per second	Yearly	TM-2

Note: Nitrogen Oxides mean: Nitrogen Dioxide (NO<sub>2</sub>) or Nitric Oxide (NO) or both, as NO<sub>2</sub> equivalent.

### Predictive Emissions Monitoring System

- M2.3 In the event of a Continuous Emissions Monitoring System (CEMS) failure or due to required maintenance of the CEMS, monitoring of nitrogen oxides as per condition M2.2 may be undertaken through the use of the Predictive Emissions Monitoring System (PEMS) as detailed in the report provided to the EPA (prepared by Jacobs, dated 18 August 2023; EPA ref DOC23/743860-1) or as agreed in writing by the EPA.
- M2.4 The PEMS detailed in the above condition must not be used greater than 10% of the time.
- M2.5 The licensee must notify the EPA of any PEMS data used in accordance with condition M2.3 within 7 days of the measurement. All use of PEMS must be fully detailed in the respective Annual Return for this licence.

### 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:
- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
  - 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
  - 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.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2022* requires testing for certain



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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.

## M5 Weather monitoring

M5.1 The meteorological weather station must be maintained so as to be capable of continuously monitoring the parameters specified in condition M5.2 when any of the four turbines are in operation.

M5.2 For each monitoring point specified in the table below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency specified opposite in the other columns.

Point 5

Recorded Parameter	Unit of Measure	Frequency	Averaging Period	Sampling Method
Rainfall	Millimetres	Continuous when any of the four turbines are in operation	Hourly	AM-4
Wind speed	metres per second	Continuous when any of the four turbines are in operation	5 minute	AM-2 & AM-4
Wind direction	Degrees	Continuous when any of the four turbines are in operation	5 minute	AM-2 & AM-4
Temperature at ground level	Degrees Celsius	Continuous when any of the four turbines are in operation	5 minute	AM-4
Temperature at 10 metres above ground level	Degrees Celsius	Continuous when any of the four turbines are in operation	5 minute	AM-4
Inversion conditions	In accordance with Fact Sheet D of the Noise Policy for Industry	Duration of any inversion event when any of the four turbines are in operation	NA	In accordance with Fact Sheet D of the Noise Policy for Industry

Note: In the event of a weather station fault the licensee may use the nearest Bureau of Meteorology weather station data for compliance with condition M5.2, but only for the duration of the fault.

## M6 Recording of pollution complaints

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- M6.1 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.
- M6.2 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.
- M6.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M6.4 The record must be produced to any authorised officer of the EPA who asks to see them.

## M7 Telephone complaints line

- M7.1 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.
- M7.2 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.
- M7.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## 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.

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- 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. 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

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.

- 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.

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## 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 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 notify the EPA of any exceedances of any emission or concentration limit included as a condition of this licence no later than 7 days after becoming aware of any exceedance. This notification must be provided by email to [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au).
- R4.2 Within 20 days of the notification made in accordance with condition R4.1 above, the licensee must provide a report to the EPA at [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) that includes, as a minimum, the following details:
- 1. the date and time that the exceedance occurred;
  - 2. the nature of the exceedance (i.e. the pollutants involved);
  - 3. the duration of the exceedance;
  - 4. plant operating conditions at the time the exceedance;
  - 5. the cause of the exceedance;
  - 6. the remedial/corrective actions taken at the time the exceedance was made known; and
  - 7. the actions taken and/or future actions to be taken, to prevent exceedances of a similar nature occurring in



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the future.

## 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 premises.

### G2 Other general conditions

- G2.1 The licensee must provide the EPA with a current after hours contact telephone number that can be used to contact either the licensee or a representative of the licensee who can respond to after hours incidents relating to the premises.

## 8 Special Conditions

### E1 Predictive Emissions Monitoring System Verification Study

- E1.1 The licensee must, during the next round of scheduled testing in the period October 2022 to September 2023, undertake a verification assessment of the Predictive Emissions Monitoring System (PEMS) model through verification testing when the Units are being fired on natural gas (PEMS Verification Study). The licensee must undertake monitoring for Points 1, 2, 3, and 4 as outlined below:

Special frequency 1 means one round of testing at the next scheduled test date when the Units are being fired on natural gas.

Pollutant	Units of Measure	Frequency	Sampling method
Oxides of nitrogen (as NO2)	Milligrams per cubic metre	Special Frequency 1	TM-11

- E1.2 By 1 September 2023, after completing the testing described in the condition above, the licensee must provide a report to the EPA detailing the PEMS Verification Study, its findings and any recommendations (PEMS Verification Study Report). The PEMS Verification Study Report must include, but is not limited to, the following.

1. an evaluation of the PEMS model performance against NOx data obtained using the relevant Test Method

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- (TM-11),
- 2. CEMS measurements,
- 3. all operating parameters,
- 4. any external report produced in full.
- 5. the findings of the PEMS Verification Study, and
- 6. any recommendations.

The PEMS Verification Study Report must be provided to the EPA by email to [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au).

## E2 Planned Maintenance Combustion Tuning

E2.1 The following conditions relate to the planned maintenance combustion tuning of Turbine Units C1 and C4 (that report to Points 1 and 4 respectively) (Planned Maintenance Combustion Tuning).

(a) The Planned Maintenance Combustion Tuning must only be conducted while an Exemption Order granted under section 284 of the Protection of the Environment Operations Act 1997 in respect of the premises has effect.

(b) The licensee must provide written notification to the EPA by email to [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) of the scheduled dates for the Planned Maintenance Combustion Tuning at least two days prior to the commencement of the works.

(c) The licensee must only undertake combustion tuning works on one Turbine Unit at time.

(d) Despite section L3 of the licence, during the Planned Maintenance Combustion Tuning the concentration of Nitrogen Oxides (meaning Nitrogen Dioxide (NO<sub>2</sub>) or Nitric Oxide (NO) or both, as NO<sub>2</sub> equivalent) discharged from the following points must not exceed 120mg/m<sup>3</sup> (Reference conditions: Dry, 273K, 101.3kPa; Oxygen correction: 15%; Averaging period: 1 hour block) for each point.

- Point 1

- Point 4

(e) The licensee must monitor the emission of Nitrogen Oxides continuously using the Continuous Emissions Monitoring System (CEMS) in accordance with condition M2.2 when undertaking the Planned Maintenance Combustion Tuning, and record all discharge concentrations.

(f) The licensee must provide written notification to the EPA by email to [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) advising the completion of the Planned Maintenance Combustion Tuning within two days of completing the works.

(g) Within eight weeks of completing the Planned Maintenance Combustion Tuning, the licensee must provide to the EPA an emissions evaluation report (Planned Maintenance Combustion Tuning Report) that includes, as a minimum, the following information in respect of the turbine combustion tuning for each unit:

- Operating parameters during the turbine combustion tuning, including (but not limited to) fuel type, fuel usage, turbine operating temperature and generating load;
- Total duration of the turbine combustion tuning and duration on each fuel type;
- Nitrogen Oxides CEMS data recorded during the turbine combustion tuning, including peak measured concentrations and hourly averages;
- An evaluation of Nitrogen Oxides emissions data against the Protection of the Environment Operations (Clean Air) Regulation 2022 and licence concentration limits; and
- An evaluation of post-tuning Nitrogen Oxides emissions data against pre-tuning emissions data.

(h) The Planned Maintenance Combustion Tuning Report must be provided to the EPA by email to



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[info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au).



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## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	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> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	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> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .



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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 Mark Hartwell

Environment Protection Authority

(By Delegation)

Date of this edition: 22-April-2009



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End Notes		
2	Licence varied by notice	1510420 issued on 05-Jun-2013
3	Licence varied by notice	1524039 issued on 09-Dec-2014
4	Licence varied by notice	1527970 issued on 27-Jan-2015
5	Licence transferred through application 1528154 approved on 30-Jan-2015 , which came into effect on 30-Jan-2015	
6	Licence fee period changed by notice	1528601 on 22-Apr-2015
7	Licence varied by notice	1532343 issued on 27-Aug-2015
8	Licence varied by notice	1561551 issued on 23-Oct-2020
9	Licence varied by notice	1611385 issued on 24-Nov-2021
10	Licence varied by notice	1621973 issued on 23-Aug-2022
11	Licence varied by notice	1622140 issued on 30-Aug-2022
12	Licence varied by notice	1627699 issued on 27-Mar-2023
13	Licence varied by notice	1627995 issued on 01-May-2023
14	Licence varied by notice	1629364 issued on 30-Aug-2023
15	Licence varied by notice	1634431 issued on 28-Nov-2023