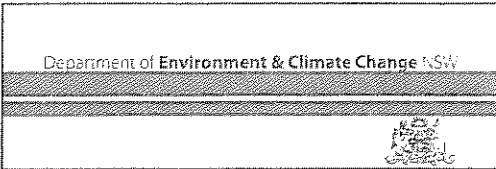


Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



ANNUAL RETURN

LICENCE NO.	12490
LICENCE HOLDER	ORIGIN ENERGY URANQUINTY POWER PTY LTD
REPORTING PERIOD	01 Jun 2008 to 26-Nov-2008

If your licence has been transferred, suspended, surrendered or revoked by the EPA during this reporting period, cross out the dates above and specify the new dates to which this Annual Return relates below:

REVISED REPORTING PERIOD ____/____/____ to ____/____/____
 (Note: the revised reporting period also needs to be entered in Section E)

THIS ANNUAL RETURN MUST BE RECEIVED BY THE EPA BEFORE 26-Jan-2009

Your Annual Return must be completed, including certification in Section E, and submitted to the EPA no later than **60 Days** after the end of the reporting period for your licence.

Failure to submit this Annual Return within 60 days after the reporting period ends may result in:

- the issue of a Penalty Notice for \$750 (individuals) or \$1500 (corporations);

OR

- prosecution.

Please send your completed Annual Return by **Registered Post** to:

Licence Administration and Revenue Unit
 Department of Environment and Climate Change
 PO Box A290
 SYDNEY SOUTH NSW 1232

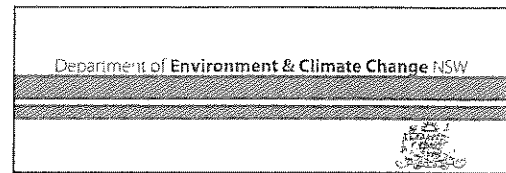
It is an offence to supply any information in this form to the EPA that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect.

THERE IS A MAXIMUM PENALTY OF \$250,000 FOR A CORPORATION OR \$120,000 FOR AN INDIVIDUAL.

Details provided in this Annual Return will be available on the EPA's Public Register in accordance with section 308 of the Protection of the Environment Operations Act 1997.

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Use the checklist below to ensure that you have completed your Annual Return correctly (✓ the boxes).

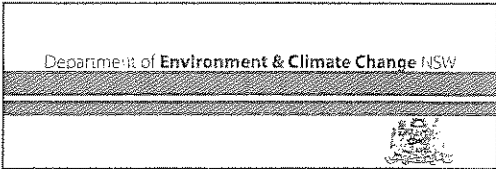
CHECKLIST		
<input checked="" type="checkbox"/>	Section A:	All licence details are correct
<input checked="" type="checkbox"/>	Section B1:	You have entered the correct number in the complaints table
<input checked="" type="checkbox"/>	Section B2 – B3:	If there are tables, you have provided the required details
<input checked="" type="checkbox"/>	Section C:	You have answered question 1, and 2 if applicable
<input type="checkbox"/>	Section D:	If applicable, you have completed all load calculation worksheets
<input type="checkbox"/>	Section E:	The Annual Return has been signed by appropriate person(s) and, if applicable, the revised reporting period entered
<input type="checkbox"/>	Make a copy of the completed Annual Return and keep it with your licence records	
<input type="checkbox"/>	Attach a cheque (unless you have paid separately) for the payment of: <ul style="list-style-type: none"> • <i>Payment Paid Separately.</i> the administrative fee for the next licence fee period • if applicable, the load-based fee for the licence fee period covered by this Annual Return 	

Please send your completed Annual Return by **Registered Post** to:

**Licence Administration and Revenue Unit
 Department of Environment and Climate Change
 PO Box A290
 SYDNEY SOUTH NSW 1232**

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Statement of Compliance – Licence Details

ALL licence holders must check that the licence details in Section A are correct.

If there are changes to any of these details you must advise the EPA and apply as soon as possible for a variation to your licence or for a licence transfer.

Licence variation and transfer application forms are available on the EPA website at: <http://www.environment.nsw.gov.au/licensing>, or from regional offices of the EPA, or by contacting us on telephone 02 9995 5700.

If you are applying to vary or transfer your licence you must still complete this Annual Return.

A1 Licence Holder

Licence Number 12490
 Licence Holder ORIGIN ENERGY URANQUINTY POWER PTY LTD
 Trading Name (if applicable)
 ABN 26 120 384 938

A2 Type of Licence

Sched Dev Work/Prem Based Sched Activity

A3 Premises to which Licence Applies

common name (if any) ORIGIN ENERGY URANQUINTY POWER PTY LTD
 premises URANQUINTY CROSS ROAD, URANQUINTY, NSW

A4 Activities to which Licence Applies

Scheduled Activity
 Electricity generation

A5 Other Activities (Not Applicable)

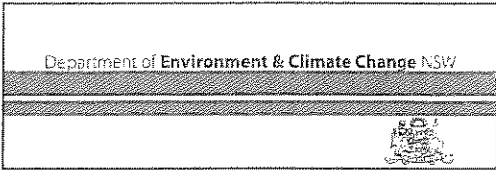
A6 Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
Generation of electrical power from gas	> 0 - 250 <i>should be >1000 - 4000</i>	Gwh generated

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Assessable Pollutants (Not Applicable)

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Monitoring and Complaints Summary

B1 Number of Pollution Complaints

Number of complaints recorded by the licensee during the reporting period (as required by condition M4 of the licence).	2
If no complaints were received enter nil.	

B2 Concentration Monitoring Summary

For each monitoring point identified in your licence, (see licence conditions M2 and R1), complete all the details for each pollutant listed in the tables provided below.

If concentration monitoring is **not** required by licence conditions M2 and R1, **no tables** will appear below.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

Discharge & Monitoring Point 1

519544 East 6106749 North

A1 Turbine Stack 1

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value Valid	Mean of samples Valid	Highest sample value Valid
Temperature	degrees Celsius	1	1	-	-	52.4
Nitrogen Oxides	milligrams per normalised cubic metre	Continuous	418	8.2	36.9	241.9
Oxygen (O ₂)	percent	1	1	-	-	14.9
Moisture content	percent	1	1	-	-	6.77
Carbon dioxide	percent	1	1	-	-	3.48
Velocity	metres per second	1	1	-	-	46.4
Volumetric flowrate @ STP, dry and 15% O ₂	cubic metres per second	1	1	-	-	4.55
Dry gas density	kilograms per cubic metre	1	1	-	-	1.30
Molecular weight of stack gases	grams per gram mole	1	1	-	-	29.2

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Discharge & Monitoring Point 2

519549 East 6106792 North

A2 Turbine Stack 2

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value valid	Mean of samples valid	Highest sample value valid
Molecular weight of stack gases	grams per gram mole	1	1	-	-	29.1
Dry gas density	kilograms per cubic metre	1	1	-	-	1.30
Volumetric flowrate	cubic metres per second	1	1	-	-	486
Velocity @ 3.5P, dry, and 15% O ₂	metres per second	1	1	-	-	46.1
Carbon dioxide	percent	1	1	-	-	3.38
Moisture content	percent	1	1	-	-	5.88
Oxygen (O ₂)	percent	1	1	-	-	15.1
Nitrogen Oxides	milligrams per normalised cubic metre	Continuous	319	0	28.3	77.9
Temperature	degrees Celsius	1	1	-	-	533.

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Discharge & Monitoring Point 3

519554 East 6106839 North

A3 Turbine Stack 3

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value valid	Mean of samples valid	Highest sample value valid
Temperature	degrees Celsius	1	1	-	-	539
Nitrogen Oxides	milligrams per normalised cubic metre	Continuous	1867	0	185.0	387.5
Oxygen (O ₂)	percent	1	1	-	-	15.0
Moisture content	percent	1	1	-	-	4.84
Carbon dioxide	percent	1	1	-	-	3.40
Velocity	metres per second	1	1	-	-	44.3
Volumetric flowrate @STP, dry, and 15% O ₂	cubic metres per second	1	1	-	-	428
Dry gas density	kilograms per cubic metre	1	1	-	-	1.30
Molecular weight of stack gases	grams per gram mole	1	1	-	-	29.1

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Discharge & Monitoring Point 4

519560 East 6106882 North

A4 Turbine Stack 4

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value <i>Valid</i>	Mean of samples <i>Valid</i>	Highest sample value <i>Valid</i>
Molecular weight of stack gases	grams per gram mole	1	1	-	-	29.1
Dry gas density	kilograms per cubic metre	1	1	-	-	1.30
Volumetric flowrate <i>@ STP, dry and 15% O₂</i>	cubic metres per second	1	1	-	-	441
Velocity	metres per second	1	1	-	-	45.2
Carbon dioxide	percent	1	1	-	-	3.41
Moisture content	percent	1	1	-	-	4.22
Oxygen (O ₂)	percent	1	1	-	-	15.0
Nitrogen Oxides	milligrams per normalised cubic metre	<i>Continuous</i>	<i>1456</i>	<i>28.7</i>	<i>116.3</i>	<i>207.1</i>
Temperature	degrees Celsius	1	1	-	-	<i>537</i>

Discharge & Monitoring Point 6

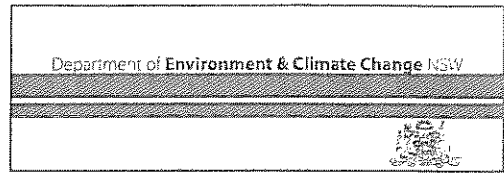
519500 East 6106700 North

Stormwater retention pond discharge point

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Chloride	milligrams per litre	<i>1/day</i>	<i>6</i>	<i>7.7</i>	<i>12.3</i>	<i>22</i>
Conductivity	microsiemens per centimetre	<i>1/day</i>	<i>6</i>	<i>157</i>	<i>184</i>	<i>240</i>
pH	pH	<i>1/day</i>	<i>6</i>	<i>7.1</i>	<i>7.8</i>	<i>8.3</i>
Sodium	milligrams per litre	<i>1/day</i>	<i>6</i>	<i>13.7</i>	<i>15.4</i>	<i>16.6</i>
Total suspended solids	milligrams per litre	<i>1/day</i>	<i>6</i>	<i>9</i>	<i>81.2</i>	<i>178</i>

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD

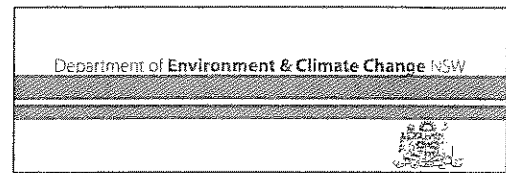


Volume or Mass Monitoring Summary

For each monitoring point identified in your licence, (see licence conditions M6 and R1), complete the details of the volume or mass monitoring indicated in the tables provided below.

If volume or mass monitoring is not required by licence conditions M6 and R1, **no tables** will appear below.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).



Statement of Compliance – Licence Conditions

C1 Compliance with Licence Conditions

(✓ the boxes)

- 1 Were all conditions of the licence complied with (including monitoring and reporting requirements)? Yes No

(✓ a box)

- 2 If you answered 'No' to question 1, please supply the following details for each non-compliance in the format, or similar format, provided on the following page.

Please use a separate page for each licence condition that has not been complied with.

- a) What was the specific licence condition that was not complied with?
- b) What were the particulars of the non-compliance?
- c) What were the date(s) when the non-compliance occurred, if applicable?
- d) If relevant, what was the precise location where the non-compliance occurred?

Attach a map or diagram to the Statement to show the precise location.

- e) What were the registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance?
- f) What was the cause of the non-compliance?
- g) What action has been, or will be, taken to mitigate any adverse effects of the non-compliance?
- h) What action has been, or will be, taken to prevent a recurrence of the non-compliance?

3. How many pages have you attached?

Each attached page must be initialled by the person(s) who signs Section E of this Annual Return

3

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Details of Non-Compliance with Licence

Licence condition number not complied with
L3 Concentration Limits : L3.3
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
During the Commissioning Program for the Plant, the Commissioning Engineers ran the units in different operating regimes for testing and tuning of the turbines at different stages of commissioning program, NOx exceedences were recorded.
If required, further details on particulars of non-compliance
Date(s) when the non-compliance occurred, if applicable
As per attached spreadsheet
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Units 1, 2, + 3, 4
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
—
Cause of non-compliance
Established Commissioning Program for testing and tuning turbines
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Commissioning program and tuning complete on all units. CEMS and stack air emission verification tests have been successfully completed. All four turbines have been tuned and tested to run at regulated NOx limits.
Action taken or that will be taken to prevent a recurrence of the non-compliance
As above, Commissioning program now complete.

Unit Run Times When Nox Limits Exceeded - 2008

GT 1 Run Time				
	Start	Stop	Nox High (ppm)	Comments
Tuesday, 19 August 2008	18.00	18.45	473	Diffusion Mode
Tuesday, 2 September 2008	17.00	19.45	66	Diffusion Mode
Tuesday, 11 November 2008	15.15	15.30	42	Diffusion Mode
Wednesday, 12 November 2008	15.15	15.3	67	Diffusion Mode
Wednesday, 12 November 2008	16.45	17.45	29	Base load to 60 Mw
Wednesday, 19 November 2008	19.00	19.00	118	Diffusion Mode
Friday, 21 November 2008	20.00	2.00	29	Diffusion Mode
Wednesday, 26 November 2008	12.15	12.15	27	Diffusion Mode
GT 2 Run Time				
Monday, 17 November 2008	18.45	18.45	28	Diffuser Mode - Fast Gradient Testing
Monday, 17 November 2008	19.3	19.3	29	Diffuser Mode - Fast Gradient Testing
Monday, 24 November 2008	11.45	11.45	29	Belived to be invalid reading
GT 3 Run Time				
Saturday, 15 November 2008	15.45	19	204	Diffuser Mode - Step load testing @10Mw/15min
Thursday, 27 November 2008	11.15	11.3	44	Diffuser Mode
GT 4 Run Time				
Wednesday, 10 September 2008	15.45	16	101	False Start - Unit Trip

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Details of Non-Compliance with Licence

Licence condition number not complied with
M2 - Requirement to monitor concentration of pollutants discharged
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
During the commissioning program and before CEMS Certification, there was an issue where the data logger on the CEMS did not log the collected NOX data.
If required, further details on particulars of non-compliance
Date(s) when the non-compliance occurred, if applicable
As per attached spreadsheet.
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Units 1, 2, + 4
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
—
Cause of non-compliance
Electronic fault in CEMS data logger is expected
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
The CEMS units were still collecting NOX data, but the data logger was not recording. Some data was able to be retrieved from the individual units DCS Control System recorded data.
Action taken or that will be taken to prevent a recurrence of the non-compliance
The CEMS have been formally tested and certified. Full operator training has been provided by the CEMS supplier - Thompson Env. A CEMS operating verification has been added to the daily check sheets and any CEMS faults now come up as a higher rating alarm on the operating panel.

Unit Run Time with no Nox Data Logged by CEMS Unit - 2008

GT 1 Run Time			
	Start	Shut Down	Top Load
Monday, 3 November 2008	9.44 am	6.06 pm	165
Tuesday, 4 November 2008	10.01 am	5.40 pm	Base
Wednesday, 5 November 2008	8.50 am	4.45 pm	140
Thursday, 6 November 2008	9.16 am	5.52 pm	153
Saturday, 8 November 2008	8.30 am	5.45 pm	Base
Monday, 10 November 2008	10.00 am	3.38 pm	Base
GT 2 Run Time			
Friday, 22 August 2008	21.36	23.00	Full speed no load
Wednesday, 3 September 2008	16.23	20.02	Full speed no load
Friday, 31 October 2008	10.49	18.09	130
Saturday, 1 November 2008	14.44	21.48	152
Wednesday, 5 November 2008	10.41	11.28	Trip
Friday, 7 November 2008	13.27	17.21	90
Saturday, 8 November 2008	9.10	15.46	159
Monday, 10 November 2008	8.45	13.15	155
Tuesday, 11 November 2008	9.44	17.58	147
Wednesday, 12 November 2008	12.19	20.07	145
GT 4 Run Time			
Tuesday, 4 November 2008	11.4	19.42	155
Friday, 14 November 2008	8.58	21.22	140
Saturday, 15 November 2008	11.33	18.46	150



Statement of Compliance - Load-Based Fee Calculation Worksheets

If you are **not** required to monitor assessable pollutants by your licence (see **A7** on this **Annual Return**), **no worksheets** will appear below. Please go to Section E.

If assessable pollutants have been identified on your licence (see licence condition L2), complete the following worksheets for each assessable pollutant to determine your load-based fee for the licence fee period to which this Annual Return relates.

A load-based licensing online fee calculator is available on the EPA's website at www.environment.nsw.gov.au

Loads of assessable pollutants must be calculated using any of the methods provided in the EPA's Load Calculation Protocol for the relevant activity. A Load Calculation Protocol would have been sent to you with your licence. If you require additional copies you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

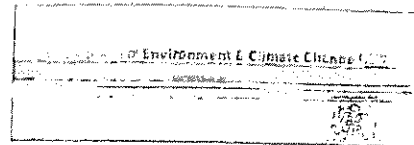
You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

PENALTIES APPLY FOR SUPPLYING FALSE OR MISLEADING INFORMATION

D1 - D8 (Not Applicable)

Annual Return

ORIGIN ENERGY URANQUINTY POWER PTY LTD



Signature and Certification

This Annual Return may only be signed by a person(s) with legal authority to sign it as set out in the categories below. Please tick (✓) the box next to the category that describes how this Annual Return is being signed.

If you are uncertain about who is entitled to sign or which category to tick, please contact us on telephone 02 9995 5700.

If the licence holder is	the Annual Return must be signed and certified:
an individual	<input type="checkbox"/> by the individual licence holder, or <input type="checkbox"/> by a person approved in writing by the EPA to sign on the licence holder's behalf
a company	<input type="checkbox"/> by affixing the common seal in accordance with Corporations Act 2001, or <input type="checkbox"/> by 2 directors, or <input checked="" type="checkbox"/> by a director and a company secretary, or <input type="checkbox"/> if a proprietary company that has a sole director who is also the sole company secretary – by that director, or <input type="checkbox"/> by a person delegated to sign on the company's behalf in accordance with the Corporations Act 2001 and approved in writing by the EPA to sign on the company's behalf.
a public authority (other than a council)	<input type="checkbox"/> by the Chief Executive Officer of the public authority, or <input type="checkbox"/> by a person delegated to sign on the public authority's behalf in accordance with its legislation and approved in writing by the EPA to sign on the public authority's behalf.
a local council	<input type="checkbox"/> by the General Manager in accordance with s.377 of the Local Government Act 1993, or <input type="checkbox"/> by affixing the seal of the council in a manner authorised under that Act.

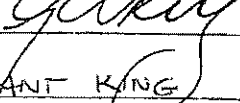
It is an offence to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation or \$120,000 for an individual.

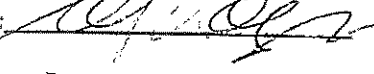
I/We

- declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and
- certify that the information in the Statement of Compliance in sections A, C and D and any pages attached to Section C is correct and not false or misleading in a material respect.

If your licence has been transferred, suspended, surrendered or revoked by the EPA during this reporting period, cross out the dates below and specify the new dates to which this Annual Return relates:

For the reporting period 01 Jun 2008 to 26-Nov-2008 or _____ to _____

SIGNATURE: 
 NAME: GRANT KING
 (printed)
 POSITION: DIRECTOR
 DATE: 21 / 01 / 2009

SIGNATURE: 
 NAME: BILL HUNDY
 (printed)
 POSITION: COMPANY SECRETARY
 DATE: 21 / 01 / 2009

SEAL (if signing under seal)

PLEASE ENSURE THAT ALL APPROPRIATE BOXES HAVE BEEN COMPLETED AND THAT THE CHECKLIST ON PAGE 2 OF THE ANNUAL RETURN HAS BEEN COMPLETED