Monthly Data Summary

Bayswater Monthly Data Summary October 2014

LICENCE NO	**779**
LICENCE HOLDER	AGL Macquarie
REPORTING PERIOD	01 / 10 / 2014 to 31 / 10/ 2014

A1 Licence Holder

Licence Number	779
Licence Holder	AGL Macquarie
Trading Name (if applicable)	
ABN	18 402 904 344

A2 Premises to which Licence Applies (if applicable)

Common Name (if any)	BAYSWATER POWER STATION
Premises	NEW ENGLAND HIGHWAY MUSWELLBROOK NSW 2333

A3 Activities to which Licence Applies

Electricity Generation

A4 Other Activities (if applicable) Crushing, Grinding or Separating Works Aircraft (helicopter) facilities

Crushing, Grinding or Separating Works

Sewage Treatment Systems

Chemical Storage Facilities

Aircraft (helicopter) facilities

A5 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 coal	> 4,000.00	Gwh generated
Chemical Storage	> 100	Tonnes Generated or Stored
Coal Works	> 5000000	Tonnes handled

Monthly Data Summary

Discharge & Monitoring Point 1

Discharge to waters
Effluent quality and volume monitoring, Discharge from main station oil separator holding basin to Tinkers Creek, shown as "EPA ID No. 1" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Oil and Grease	milligrams per litre	Fortnightly	5	0.3	3.7	7.8	10 mg/L
Oct-14	31/10/2014	Total suspended solids	milligrams per litre	Fortnightly	5	0.8	2.9	5.6	20 mg/L
Comments:									

Discharge & Monitoring Point 7

Discharge to waters
Effluent quality and volume monitoring, Discharge from cooling towers to Tinkers Creek, shown as "EPA ID No. 7" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Conductivity	uS/cm	Weekly	5	3200	3460	3700	4500
Oct-14	31/10/2014	pH	pH Units	Weekly	5	7.7	7.8	7.9	6.5 - 8.5
Comments:									

Discharge & Monitoring Point 8

Discharge to waters
Discharge & monitoring point under the Hunter River Salinity Trading Scheme, Discharge pipe from Lake Liddel dam wall, shown as "EPA ID No. 8" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Conductivity	uS/cm	Continuous during disharge	1	2200	2200	2200	-
Oct-14	31/10/2014	pH	pH Units	Daily during discharge	1	8.4	8.40	8.4	6.5 - 8.5
Oct-14	31/10/2014	Total suspended solids	milligrams per litre	Monthly	1	4.8	4.80	4.8	30 mg/L
Comments: No HRSTS discharge during October 2014.									

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Discharge & Monitoring Point 10

Discharge to air
Air emission monitoring, Boiler 1 stack emissions, shown as "EPA ID No. 10" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Nitrogen Oxides	parts per million	Continuous 1 hr Averages	100.0%	171	327	519	700
Oct-14	31/10/2014		milligrams per cubic metre			351.70	672.16	1065.46	1500
Oct-14	31/10/2014	Sulphur dioxide	parts per million	Continuous 1 hr Averages	100.0%	264	337	415	600
Oct-14	31/10/2014		milligrams per cubic metre			755	964	1185	-
Oct-14	31/10/2014	Opacity	Percentage	Continuous 1 hr Averages	100%	4.0%	7.5%	15.0%	20%

Comments:

Discharge & Monitoring Point 11

Discharge to air

Air emission monitoring, Boiler 2 stack emissions, shown as "EPA ID No. 11" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Opacity	Percentage	Continuous 1 hr Averages	>99%	1.0%	3.0%	7.1%	20%

Comments:

Discharge & Monitoring Point 12

Discharge to air
Air emission monitoring, Boiler 3 stack emissions, shown as "EPA ID No. 12" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Opacity	Percentage	Continuous 1 hr Averages	>99%	2.1%	7.5%	15.8%	20%

Comments:

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Discharge & Monitoring Point 13

Discharge to air

Air emission monitoring, Boiler 4 stack emissions, shown as "EPA ID No. 13" on plan titled "Bayswater Power Station Unit 1-4, Open Space, Easments, Site Survey" dated 24/12/2004.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Undifferentiated Particulates	milligrams per cubic metre	Continuous 1 hr Averages	>99%	0.0%	0.0%	0.0%	100.0
Comments: Unit 4 was on an outage for the Month of October.									

Volume or Mass Monitoring Summary

For each monitoring point identified in your licence complete the details of the volume or mass monitoring indicated in the tables provided below.

If volume or mass monitoring is not required by your licence, **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

Discharge to waters
Effluent quality and volume monitoring
Discharge from Treated Process Water Pond to Tinkers Creek

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Continuous during discharge	kilolitres per week	Continuous during discharge	4	6,103.0	6,647	7,074	36,400 kL
Comments:									

Discharge & Monitoring Point 7

Discharge to waters
Effluent quality and volume monitoring
Discharge from cooling towers to Tinklers creek.

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Continuous during discharge	megalitres per month	Continuous during discharge	1	19.5	19.5	19.5	840
Comments: A total of 19.45 ML dicharged during October 2014.									

Discharge & Monitoring Point 8

Discharge to waters
Discharge & monitoring point under the Hunter River Salinity Trading Scheme
Discharge from Lake Liddell To Hunter River

Month	Date of Publication	Pollutant	Unit of measure	No. of samples required by licence	Samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value	EPL Limit
Oct-14	31/10/2014	Continuous during discharge	megalitres per block	Continuous during discharge	0	0	0	0	700
Comments: There were no HRSTS discharges during October 2014									

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C2 **Details of Non-Compliance with Licence**

Licence condition number not complied with
Summary of particulars of the non-compliance **(NO MORE THAN 50 WORDS)**
If required, further details on particulars of non-compliance
Date(s) when the non-compliance occurred, if applicable
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
Cause of non-compliance
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Action taken or that will be taken to prevent a recurrence of the non-compliance