

# Monthly Data Summary

## Bayswater Monthly Data Summary September 2014

LICENCE NO	779
LICENCE HOLDER	AGL Macquarie
REPORTING PERIOD	01 / 09 / 2014 to 30 / 09 / 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, Easements, 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
Sep-14	30/09/2014	Oil and Grease	milligrams per litre	Fortnightly	4	2.2	3.5	5.1	10 mg/L
Sep-14	30/09/2014	Total suspended solids	milligrams per litre	Fortnightly	4	4.4	5.3	6.8	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, Easements, 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
Sep-14	30/09/2014	Conductivity	uS/cm	Weekly	4	1700	3225	4000	4500
Sep-14	30/09/2014	pH	pH Units	Weekly	4	6.5	7.5	8.2	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, Easements, 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
Sep-14	30/09/2014	Conductivity	uS/cm	Continuous during discharge	1	2200	2200	2200	-
Sep-14	30/09/2014	pH	pH Units	Daily during discharge	1	7.5	8.05	8.2	6.5 - 8.5
Sep-14	30/09/2014	Total suspended solids	milligrams per litre	Monthly	1	5.2	5.20	5.2	30 mg/L
Comments: No HRSTS discharge during September 2014.									

# Monthly Data Summary

## 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
Sep-14	30/09/2014	Nitrogen Oxides	parts per million	Continuous 1 hr Averages	100.0%	123	304	464	700
Sep-14	30/09/2014		milligrams per cubic metre			252.25	623.67	952.47	1500
Sep-14	30/09/2014	Sulphur dioxide	parts per million	Continuous 1 hr Averages	100.0%	283	324	369	600
Sep-14	30/09/2014		milligrams per cubic metre			810	927	1054	-
Sep-14	30/09/2014	Opacity	Percentage	Continuous 1 hr Averages	100%	1.7%	8.7%	13.0%	20%

Comments: Unit 1 was taken out of service on the 9/09/2014 for scheduled routine maintenance. Temporary monitoring system for Sulphur dioxide & Nitrogen Oxides was installed on Unit 2 during this process. Unit 1 monitoring data restarted on the 22/09/2014 10pm.

## 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
Sep-14	30/9/2014	Nitrogen Oxides	parts per million	Continuous 1 hr Averages	100.0%	91.6	213.49	284.8	700
Sep-14	30/9/2014		milligrams per cubic metre			188.01	438.19	584.56	1500
Sep-14	30/9/2014	Sulphur dioxide	parts per million	Continuous 1 hr Averages	100.00%	137.9	196.34	243.9	600
Sep-14	30/9/2014		milligrams per cubic metre			394.12	561.14	697.07	-
Sep-14	30/09/2014	Opacity	Percentage	Continuous 1 hr Averages	>99%	0.6%	2.7%	5.7%	20%

Comments: Data for Sulphur Dioxide & Nitrogen oxides taken by a temporary CEMS Unit installed due to a scheduled maintenance period for Unit 1.

## 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
Sep-14	30/09/2014	Opacity	Percentage	Continuous 1 hr Averages	>99%	0.0%	10.5%	7.0%	20%

Comments:

# Monthly Data Summary

## 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, Easements, 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
Sep-14	30/09/2014	Undifferentiated Particulates	milligrams per cubic metre	Continuous 1 hr Averages	>99%	1.0%	8.9%	4.0%	100.0
Comments:									

## 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
Sep-14	30/09/2014	Continuous during discharge	kilolitres per week	Continuous during discharge	4	4,396.0	6,257	8,049	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
Sep-14	30/09/2014	Continuous during discharge	megalitres per month	Continuous during discharge	1	48.2	48.2	48.2	840
Comments: A total of 48.2 ML discharged during September 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
Sep-14	30/09/2014	Continuous during discharge	megalitres per block	Continuous during discharge	0	0	0	0	700
Comments: There were no HRSTS discharges during September 2014									

# Monthly Data Summary

C2

Details of Non-Compliance with Licence

Licence condition number not complied with
Summary of particulars of the non-compliance <b>(NO MORE THAN 50 WORDS)</b>
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