

# Monthly Data Summary

## Bayswater Monthly Data Summary March 2015

LICENCE NO	779
LICENCE HOLDER	AGL Macquarie
REPORTING PERIOD	01 / 3 / 2015 to 31 / 3 / 2015

### 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
Feb-15	13/03/2015	Oil and Grease	milligrams per litre	Fortnightly	4	3.7	5.1	7.6	10 mg/L
Feb-15	13/03/2015	Total suspended solids	milligrams per litre	Fortnightly	4	2.4	4.0	5.2	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
Feb-15	13/03/2015	Conductivity	uS/cm	Weekly	4	3600	3700	3800	4500
Feb-15	13/03/2015	pH	pH Units	Weekly	4	7.4	7.9	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
Feb-15	13/03/2015	Conductivity	uS/cm	Continuous during discharge	1	2200	2200	2200	-
Feb-15	13/03/2015	pH	pH Units	Daily during discharge	1	8.2	8.20	8.2	6.5 - 8.5
Feb-15	13/03/2015	Total suspended solids	milligrams per litre	Monthly	1	7.2	7.20	7.2	30 mg/L
Comments: No HRSTS discharge during March 2015.									

# 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, 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
Feb-15	13/03/2015	Nitrogen Oxides	parts per million	Continuous 1 hr Averages	100.0%	179	359	531	700
Feb-15	13/03/2015		milligrams per cubic metre			367.09	737.55	1089.27	1500
Feb-15	13/03/2015	Sulphur dioxide	parts per million	Continuous 1 hr Averages	100.0%	258	341	431	600
Feb-15	13/03/2015		milligrams per cubic metre			736	975	1230	-
Feb-15	13/03/2015	Opacity	Percentage	Continuous 1 hr Averages	99%	2.8%	6.4%	12.4%	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, 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
Feb-15	13/03/2015	Opacity	Percentage	Continuous 1 hr Averages	100	1.7%	4.2%	8.6%	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, 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
Feb-15	13/03/2015	Opacity	Percentage	Continuous 1 hr Averages	>99%	3.3%	6.0%	13.1%	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
Feb-15	13/03/2015	Undifferentiated Particulates	milligrams per cubic metre	Continuous 1 hr Averages	100	1.1%	13.7%	3.2%	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
Feb-15	13/03/2015	Continuous during discharge	kilolitres per week	Continuous during discharge	31	6,338.0	7,784	9,646	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
Feb-15	13/03/2015	Continuous during discharge	megalitres per month	Continuous during discharge	1	193.0	193.0	193.0	840
Comments: A total of 192.97ML discharged during March 2015.									

## 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
Feb-15	13/03/2015	Continuous during discharge	megalitres per block	Continuous during discharge	0	0	0	0	700
Comments: There were no HRSTS discharges during March 2015.									

# Monthly Data Summary

C2

Details of Non-Compliance with Licence

Licence condition number not complied with
Condition L3.6
Summary of particulars of the non-compliance ( <b>NO MORE THAN 50 WORDS</b> )
Low pH was recorded at EPL Point 7 and on investigation it was found that Ferric Chloride had entered the storm water system
If required, further details on particulars of non-compliance
-
Date(s) when the non-compliance occurred, if applicable
11-Mar-15
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
Failure of plant procedure. Lack of historical maintenance of stormwater system prior to AGL acquisition of assets.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Source immediately isolated upon discovery. A vacuum truck was deployed to remove ferric from the stormwater wier system.
Action taken or that will be taken to prevent a recurrence of the non-compliance
Investigation carried out with preventative actions being implemented