

Monthly Data Summary

Bayswater Monthly Data Summary June 2015

LICENCE NO	779
LICENCE HOLDER	AGL Macquarie
REPORTING PERIOD	01 / 6 / 2015 to 30 / 6 / 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
Jun-15	15/07/2015	Oil and Grease	milligrams per litre	Fortnightly	4	2.5	4.4	10.0	10 mg/L
Jun-15	15/07/2015	Total suspended solids	milligrams per litre	Fortnightly	4	1.2	6.7	17.0	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
Jun-15	15/07/2015	Conductivity	uS/cm	Weekly	4	3300	3375	3500	4500
Jun-15	15/07/2015	pH	pH Units	Weekly	4	8	8.2	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 Liddell 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
Jun-15	15/07/2015	Conductivity	uS/cm	Continuous during discharge	1	2195	2195	2195	-
Jun-15	15/07/2015	pH	pH Units	Daily during discharge	1	8.5	8.5	8.5	6.5 - 8.5
Jun-15	15/07/2015	Total suspended solids	milligrams per litre	Monthly	1	6	6.0	6	30 mg/L
Comments: No HRSTS discharge occurred during June 2015.									

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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, 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
Jun-15	15/07/2015	Nitrogen Oxides	parts per million	Continuous 1 hr Averages	99.7%	110	255	419	700
Jun-15	15/07/2015		milligrams per cubic metre			225	523	860	1500
Jun-15	15/07/2015	Sulphur dioxide	parts per million	Continuous 1 hr Averages	100.0%	213	316	526	600
Jun-15	15/07/2015		milligrams per cubic metre			610	902	1504	-
Jun-15	15/07/2015	Opacity	Percentage	Continuous 1 hr Averages	100%	0.7%	5.9%	12.9%	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
Jun-15	15/07/2015	Opacity	Percentage	Continuous 1 hr Averages	100	1.7%	5.0%	10.2%	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
Jun-15	15/07/2015	Opacity	Percentage	Continuous 1 hr Averages	>99%	4.7%	7.3%	13.7%	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, 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
Jun-15	15/07/2015	Undifferentiated Particulates	milligrams per cubic metre	Continuous 1 hr Averages	100	1.8%	5.0%	14.3%	20%
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
Jun-15	15/07/2015	Continuous during discharge	kilolitres per week	Continuous during discharge	4	6425	8491	12712	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
Jun-15	15/07/2015	Continuous during discharge	megalitres per month	Continuous during discharge	1	331	331	331	840
Comments: A total of 331 ML discharged during Jun2015.									

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
Jun-15	15/07/2015	Continuous during discharge	megalitres per block	Continuous during discharge	0	0	0	0	700
Comments: No HRSTS discharge occurred during June 2015									

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C2

Details of Non-Compliance with Licence

Licence condition number not complied with
1. Condition L1.1 2. Condition L3.6 3. Condition L1.1
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
1. Discharge of water from burst firewater main in Bayswater CHP area 2. High pH reading at DP07 monitoring point 3. Discharge of water from containment basins at the Antienne rail unloading facility
If required, further details on particulars of non-compliance
-
Date(s) when the non-compliance occurred, if applicable
1. 03-Jun-15 2. 09-Jun-15 3. 17-Jun-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
1. Increase in pipe pressure due to deluge system testing causing a failure at an undiscovered weak point in the pipe 2. Release of water from the boiler during return to service after an outage 3. A rain event caused Basins 2 and 3 to overboard
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
1. Fire water main was isolated as soon as practical and repair completed 2. Cooling water discharge increased to reduce the pH of water to acceptable levels through mixing before leaving the site. 3. Temporary measures installed to reduce the volume of first flush water entering the basins causing them to overflow in rain events. Sediment control installed adjacent to basins to prevent sediment form leaving site.
Action taken or that will be taken to prevent a recurrence of the non-compliance
1. Full survey of fire water pipe system proposed to identify and replace areas of concern 2. Revision of return to service procedures and procedures for boiler blowdown. Revision of alarm system settings 3. Antienne water management strategy review completed, submitted to the EPA and DPE for comment on 15 June 2015.