Monthly Data Summary

Bayswater Monthly Data SummaryMay 2015

LICENCE NO	**779**
LICENCE HOLDER	AGL Macquarie
REPORTING PERIOD	01 / 5/ 2015 to 31 / 5/ 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, 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
May-15	18/06/2015	Oil and Grease	milligrams per litre	Fortnightly	4	2.5	2.5	2.5	10 mg/L
May-15	18/06/2015	Total suspended solids	milligrams per litre	Fortnightly	4	3.2	4.6	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
May-15	18/06/2015	Conductivity	uS/cm	Weekly	4	3500	3675	3800	4500
May-15	18/06/2015	pH	pH Units	Weekly	4	7.1	7.7	8.1	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
May-15	18/06/2015	Conductivity	uS/cm	Continuous during disharge	1	2200	2200	2200	-
May-15	18/06/2015	pH	pH Units	Daily during discharge	1	8.5	8.5	8.5	6.5 - 8.5
May-15	18/06/2015	Total suspended solids	milligrams per litre	Monthly	1	0.8	0.8	0.8	30 mg/L
Comments: No HRSTS discharge occurred during May 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, 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
May-15	18/06/2015	Nitrogen Oxides	parts per million	Continuous 1 hr Averages	100.0%	145	207	361	700
May-15	18/06/2015		milligrams per cubic metre			298	424	742	1500
May-15	18/06/2015	Sulphur dioxide	parts per million	Continuous 1 hr Averages	100.0%	238	320	426	600
May-15	18/06/2015		milligrams per cubic metre			681	915	1216	-
May-15	18/06/2015	Opacity	Percentage	Continuous 1 hr Averages	99%	0.4%	1.5%	3.5%	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
May-15	18/06/2015	Opacity	Percentage	Continuous 1 hr Averages	100	0.5%	2.4%	6.3%	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
May-15	18/06/2015	Opacity	Percentage	Continuous 1 hr Averages	>99%	3.9%	6.4%	10.1%	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
May-15	18/06/2015	Undifferentiated Particulates	milligrams per cubic metre	Continuous 1 hr Averages	100	0.8%	2.7%	6.2%	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
May-15	18/06/2015	Continuous during discharge	kilolitres per week	Continuous during discharge	4	6623	7237	7827	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
May-15	18/06/2015	Continuous during discharge	megalitres per month	Continuous during discharge	1	389	389	389	840
Comments: A total of 389.3 ML dicharged during May2015.									

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
May-15	18/06/2015	Continuous during discharge	megalitres per block	Continuous during discharge	0	0	0	0	700
Comments: No HRSTS discharge occurred during May 2015									

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C2 Details of Non-Compliance with Licence

Licence condition number not complied with
Condition L3.6 Condition L1.1
Summary of particulars of the non-compliance **(NO MORE THAN 50 WORDS)**
High pH was recorded at EPL Point 7 and on investigation it was found that dilute sodium hydroxide had entered the storm water system. 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
14/05/2015 22/5/2015
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
A leaking flange on the Demin Plant B Train Mixed Bed Caustic Supply Valve disharged to a nearby stormwater drain 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
The flange was immediately isolated upon detection and a chemical spill kit was used to clean up the surrounding concrete in the area of the leak. Temporary measure 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
Flanges permanently repaired. Inspections of all other flanges in the Demin plant were inspected to confirm no other leaks or issues exist. Antiene water management strategy review completed, submitted to the EPA and DPE for comment on 15 June 2015.