



Start Of Month	EndDate
01-Jul-23 12:00:00 AM	01-Aug-23 12:00:00 AM

Monthly Data Summary

AGL Macquarie - Liddell Power Station

Environmental Protection License: EPL2122

EPA Monitoring Point 16



Start Of Month	End Of Month
01-Jul-23 12:00:00 AM	01-Aug-23 12:00:00 AM

Discharge of cooling water from the cooling water outlet canal to Lake Liddell marked and shown as EPL Monitors ID. 16 on The Plans

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Ammonia	mg/L	Fortnightly	2	0.01	0.05	0.10
Anionic Surfactants	mg/L	Fortnightly	2	0.05	0.05	0.05
Antimony	mg/L	Fortnightly	2	0.01	0.01	0.01
Arsenic	mg/L	Fortnightly	2	0.01	0.01	0.01
Barium	mg/L	Fortnightly	2	0.10	0.11	0.12
Beryllium	mg/L	Fortnightly	2	0.00	0.00	0.00
Boron	mg/L	Fortnightly	2	1.17	1.29	1.40
Cadmium	mg/L	Fortnightly	2	0.00	0.00	0.00
Chlorine	mg/L	Fortnightly	2	0.02	0.04	0.05
Chromium III	mg/L	Fortnightly	2	0.01	0.01	0.01
Chromium VI	mg/L	Fortnightly	2	0.01	0.01	0.01
Cobalt	mg/L	Fortnightly	2	0.00	0.00	0.00
Conductivity	uS/cm	Fortnightly	4	2580.00	2697.50	2840.00
Copper	mg/L	Fortnightly	2	0.00	0.00	0.00
Fluoride	mg/L	Fortnightly	2	1.74	1.75	1.76
Lead	mg/L	Fortnightly	2	0.00	0.00	0.00
Manganese	mg/L	Fortnightly	2	0.01	0.01	0.02
Mercury	mg/L	Fortnightly	2	0.00	0.00	0.00
Molybdenum	mg/L	Fortnightly	2	0.13	0.13	0.14
Nickel	mg/L	Fortnightly	2	0.01	0.01	0.01
Nitrogen	mg/L	Fortnightly	2	0.60	0.60	0.60
Oil and Grease	mg/L	Weekly during any discharge	4	1.00	1.00	1.00
pH	pH units	Daily	31	8.16	8.32	8.60
Phosphorus	mg/L	Fortnightly	2	0.04	0.04	0.04
Selenium	mg/L	Fortnightly	2	0.01	0.01	0.01
Sulfur	mg/L	Fortnightly	2	640.00	730.00	820.00
Suspended Solids	mg/L	Fortnightly	2	6.00	6.50	7.00
Temperature	degC	Fortnightly	4	12.80	12.98	13.30
Tin	mg/L	Fortnightly	2	0.00	0.00	0.00
Total Dissolved Solids	mg/L	Fortnightly	2	1940.00	1970.00	2000.00
Total Organic Carbon	mg/L	Fortnightly	2	5.00	7.00	9.00
Vanadium	mg/L	Fortnightly	2	0.01	0.01	0.01
Zinc	mg/L	Fortnightly	2	0.00	0.00	0.00

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Jul-23 12:00:00 AM	01-Aug-23 12:00:00 AM

Discharge from oil and grit trap weir overflow to Lake Liddell marked and shown as EPL Monitors ID. 17 on The Plans

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Ammonia	mg/L	Fortnightly	2	0.04	0.04	0.04
Anionic Surfactants	mg/L	Fortnightly	2	0.05	0.05	0.05
Antimony	mg/L	Fortnightly	2	0.00	0.00	0.01
Arsenic	mg/L	Fortnightly	2	0.00	0.00	0.00
Barium	mg/L	Fortnightly	2	0.04	0.05	0.07
Beryllium	mg/L	Fortnightly	2	0.00	0.00	0.00
Boron	mg/L	Fortnightly	2	0.28	0.49	0.70
Cadmium	mg/L	Fortnightly	2	0.00	0.00	0.00
Chlorine	mg/L	Fortnightly	2	0.00	0.03	0.05
Chromium III	mg/L	Fortnightly	2	0.01	0.01	0.01
Chromium VI	mg/L	Fortnightly	2	0.01	0.01	0.01
Cobalt	mg/L	Fortnightly	2	0.00	0.00	0.00
Conductivity	uS/cm	Fortnightly	4	1096.00	1286.75	1519.00
Copper	mg/L	Fortnightly	2	0.00	0.00	0.00
Fluoride	mg/L	Fortnightly	2	0.45	0.61	0.77
Lead	mg/L	Fortnightly	2	0.00	0.00	0.00
Manganese	mg/L	Fortnightly	2	0.01	0.01	0.02
Mercury	mg/L	Fortnightly	2	0.00	0.00	0.00
Molybdenum	mg/L	Fortnightly	2	0.03	0.04	0.06
Nickel	mg/L	Fortnightly	2	0.00	0.00	0.00
Nitrogen	mg/L	Fortnightly	2	0.40	0.40	0.40
Oil and Grease	mg/L	Weekly during any discharge	4	1.00	1.00	1.00
pH	pH units	Daily during any discharge	31	7.37	7.98	8.30
Phosphorus	mg/L	Fortnightly	2	0.04	0.04	0.04
Selenium	mg/L	Fortnightly	2	0.01	0.01	0.01
Sulfur	mg/L	Fortnightly	2	200.00	270.00	340.00
Suspended Solids	mg/L	Fortnightly	2	6.00	8.00	10.00
Temperature	degC	Fortnightly	4	12.20	12.95	13.70
Tin	mg/L	Fortnightly	2	0.00	0.00	0.00
Total Dissolved Solids	mg/L	Fortnightly	2	700.00	865.00	1030.00
Total Organic Carbon	mg/L	Fortnightly	2	5.00	5.50	6.00
Vanadium	mg/L	Fortnightly	2	0.01	0.01	0.01
Zinc	mg/L	Fortnightly	2	0.01	0.02	0.02

EPA Monitoring Point 18



Discharge from skimmer dam overflow spillway (located at the left abutment of the skimmer dam) to Lake Liddell marked and shown as EPL Monitors ID. 18 on The Plans

Start Of Month	End Of Month
01-Jul-23 12:00:00 AM	01-Aug-23 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Arsenic	mg/L	Fortnightly	4	0.01	0.01	0.01
Boron	mg/L	Fortnightly	4	1.26	1.48	1.72
Cadmium	mg/L	Fortnightly	4	0.00	0.00	0.00
Chromium III	mg/L	Fortnightly	4	0.01	0.01	0.01
Chromium VI	mg/L	Fortnightly	4	0.01	0.01	0.01
Conductivity	uS/cm	Fortnightly	4	2540.00	2815.00	2930.00
Copper	mg/L	Fortnightly	4	0.00	0.00	0.00
Fluoride	mg/L	Fortnightly	4	0.80	1.53	1.80
Lead	mg/L	Fortnightly	4	0.00	0.00	0.00
Mercury	mg/L	Fortnightly	4	0.00	0.00	0.00
Oil and Grease	mg/L	Fortnightly	4	1.00	1.00	1.00
pH	pH units	Fortnightly	4	8.00	8.25	8.40
Selenium	mg/L	Fortnightly	4	0.01	0.01	0.01
Suspended Solids	mg/L	Fortnightly	4	2.50	5.13	7.00
Volume	ML/d	Daily	31	13.54	41.03	87.33
Zinc	mg/L	Fortnightly	4	0.00	0.00	0.01

EPA Monitoring Point 19



Discharge of effluent from the final pond of the onsite sewage treatment system adjacent to utilisation area marked and shown as EPL Monitors ID. 19 on The Plans

Start Of Month	End Of Month
01-Jul-23 12:00:00 AM	01-Aug-23 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Volume	kL/d	Daily	31	0.28	59.94	180.68

Details of Non-Compliance with Licence Conditions	Start Time	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	Cause of non-compliance	Mitigation	Action taken or that will be taken to prevent a recurrence of the non-compliance
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No incidents for the last month