



Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 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-24 12:00:00 AM	01-Aug-24 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				
Anionic Surfactants	mg/L	Fortnightly				
Antimony	mg/L	Fortnightly				
Arsenic	mg/L	Fortnightly				
Barium	mg/L	Fortnightly				
Beryllium	mg/L	Fortnightly				
Boron	mg/L	Fortnightly				
Cadmium	mg/L	Fortnightly				
Chlorine	mg/L	Fortnightly	2	0.04	0.08	0.11
Chromium III	mg/L	Fortnightly				
Chromium VI	mg/L	Fortnightly				
Cobalt	mg/L	Fortnightly				
Conductivity	uS/cm	Fortnightly	2	2420.00	2470.00	2520.00
Copper	mg/L	Fortnightly				
Fluoride	mg/L	Fortnightly				
Lead	mg/L	Fortnightly				
Manganese	mg/L	Fortnightly				
Mercury	mg/L	Fortnightly				
Molybdenum	mg/L	Fortnightly				
Nickel	mg/L	Fortnightly				
Nitrogen	mg/L	Fortnightly				
Oil and Grease	mg/L	Weekly during any discharge	2	1.00	1.00	1.00
pH	pH units	Daily	2	7.40	7.70	8.00
Phosporus	mg/L	Fortnightly				
Selenium	mg/L	Fortnightly				
Sulfur	mg/L	Fortnightly				
Suspended Solids	mg/L	Fortnightly				
Temperature	degC	Fortnightly	2	12.20	14.35	16.50
Tin	mg/L	Fortnightly				
Total Dissolved Solids	mg/L	Fortnightly				
Total Organic Carbon	mg/L	Fortnightly				
Vanadium	mg/L	Fortnightly				
Zinc	mg/L	Fortnightly				

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Jul-24 12:00:00 AM	01-Aug-24 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	0.05	0.10	0.15
Anionic Surfactants	mg/L	Fortnightly	2	0.05	0.05	0.05
Antimony	mg/L	Fortnightly	2	0.00	0.00	0.00
Arsenic	mg/L	Fortnightly	2	0.00	0.00	0.00
Barium	mg/L	Fortnightly	2	0.02	0.03	0.03
Beryllium	mg/L	Fortnightly	2	0.00	0.00	0.00
Boron	mg/L	Fortnightly	2	0.03	0.07	0.12
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	318.00	619.50	781.00
Copper	mg/L	Fortnightly	2	0.00	0.00	0.00
Fluoride	mg/L	Fortnightly	2	0.20	0.25	0.30
Lead	mg/L	Fortnightly	2	0.00	0.00	0.00
Manganese	mg/L	Fortnightly	2	0.01	0.01	0.01
Mercury	mg/L	Fortnightly	2	0.00	0.00	0.00
Molybdenum	mg/L	Fortnightly	2	0.00	0.00	0.00
Nickel	mg/L	Fortnightly	2	0.00	0.00	0.00
Nitrogen	mg/L	Fortnightly	2	0.50	0.50	0.50
Oil and Grease	mg/L	Weekly during any discharge	4	1.00	1.00	1.00
pH	pH units	Daily during any discharge	30	6.96	7.85	8.50
Phosporus	mg/L	Fortnightly	2	0.01	0.03	0.04
Selenium	mg/L	Fortnightly	2	0.01	0.01	0.01
Sulfur	mg/L	Fortnightly	2	60.00	60.00	60.00
Suspended Solids	mg/L	Fortnightly				
Temperature	degC	Fortnightly	4	11.90	13.10	14.50
Tin	mg/L	Fortnightly	2	0.00	0.00	0.00
Total Dissolved Solids	mg/L	Fortnightly	2	344.00	355.50	367.00
Total Organic Carbon	mg/L	Fortnightly	2	4.00	4.50	5.00
Vanadium	mg/L	Fortnightly	2	0.01	0.01	0.01
Zinc	mg/L	Fortnightly	2	0.01	0.02	0.03

*EPL Point 17 – pH monitoring - pH data is included for completeness, the probe is not able to accurately record pH

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-24 12:00:00 AM	01-Aug-24 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	2.08	2.47	2.73
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	3650.00	3687.50	3750.00
Copper	mg/L	Fortnightly	4	0.00	0.00	0.00
Fluoride	mg/L	Fortnightly	4	1.20	1.28	1.40
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	7.50	7.70	7.80
Selenium	mg/L	Fortnightly	4	0.01	0.01	0.01
Suspended Solids	mg/L	Fortnightly	4	2.50	5.75	9.00
Volume	ML/d	Daily	30	0.23	5.46	37.82
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

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Volume	kL/d	Daily	30	0.47	4.12	34.60

Start Of Month	End Of Month
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

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