



Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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-Sep-24 12:00:00 AM	01-Oct-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	2	0.02000	0.03500	0.05000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00400	0.00400	0.00400
Arsenic	mg/L	Fortnightly	2	0.00200	0.00200	0.00200
Barium	mg/L	Fortnightly	2	0.04600	0.04950	0.05300
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	0.44000	0.46500	0.49000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	3	0.01000	0.01667	0.02000
Chromium III	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Chromium VI	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Cobalt	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Conductivity	uS/cm	Fortnightly	3	2350.00000	2396.66667	2440.00000
Copper	mg/L	Fortnightly	2	0.00400	0.00400	0.00400
Fluoride	mg/L	Fortnightly	2	1.00000	1.05000	1.10000
Lead	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	2	0.00600	0.00750	0.00900
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.03100	0.03200	0.03300
Nickel	mg/L	Fortnightly	2	0.00400	0.00450	0.00500
Nitrogen	mg/L	Fortnightly	2	0.50000	0.50000	0.50000
Oil and Grease	mg/L	Weekly during any discharge	2	1.00000	1.00000	1.00000
pH	pH units	Daily	3	8.10000	8.16667	8.20000
Phosporus	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	3	5.00000	131.66667	200.00000
Suspended Solids	mg/L	Fortnightly	2	2.50000	4.25000	6.00000
Temperature	degC	Fortnightly	3	17.00000	18.13333	18.90000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	1560.00000	1595.00000	1630.00000
Total Organic Carbon	mg/L	Fortnightly	2	6.00000	6.00000	6.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.00250	0.00250	0.00250

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Sep-24 12:00:00 AM	01-Oct-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	0.01000	0.04000	0.07000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00100	0.00100	0.00100
Arsenic	mg/L	Fortnightly	2	0.00200	0.00200	0.00200
Barium	mg/L	Fortnightly	2	0.03500	0.03650	0.03800
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	0.06000	0.08000	0.10000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	3	0.03000	0.04333	0.05000
Chromium III	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Chromium VI	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Cobalt	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Conductivity	uS/cm	Fortnightly	4	364.00000	448.25000	509.00000
Copper	mg/L	Fortnightly	2	0.00200	0.00200	0.00200
Fluoride	mg/L	Fortnightly	2	0.40000	0.40000	0.40000
Lead	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	2	0.01100	0.01450	0.01800
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.02500	0.02650	0.02800
Nickel	mg/L	Fortnightly	2	0.00050	0.00125	0.00200
Nitrogen	mg/L	Fortnightly	2	0.50000	0.55000	0.60000
Oil and Grease	mg/L	Weekly during any discharge	4	1.00000	1.50000	3.00000
pH	pH units	Daily during any discharge	27	7.25000	7.86778	8.84000
Phosporus	mg/L	Fortnightly	2	0.05000	0.07500	0.10000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	3	10.00000	760.00000	2250.00000
Suspended Solids	mg/L	Fortnightly	2	8.00000	9.50000	11.00000
Temperature	degC	Fortnightly	4	15.70000	17.42500	18.80000
Tin	mg/L	Fortnightly	2	0.00050	0.00225	0.00400
Total Dissolved Solids	mg/L	Fortnightly	2	192.00000	237.00000	282.00000
Total Organic Carbon	mg/L	Fortnightly	2	9.00000	9.00000	9.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.00900	0.01000	0.01100

*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

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Arsenic	mg/L	Fortnightly	4	0.01000	0.01050	0.01100
Boron	mg/L	Fortnightly	4	1.61000	1.78000	1.92000
Cadmium	mg/L	Fortnightly	4	0.00005	0.00005	0.00005
Chromium III	mg/L	Fortnightly	4	0.00500	0.01625	0.05000
Chromium VI	mg/L	Fortnightly	4	0.00500	0.01625	0.05000
Conductivity	uS/cm	Fortnightly	4	4390.00000	4492.50000	4610.00000
Copper	mg/L	Fortnightly	4	0.00050	0.00050	0.00050
Fluoride	mg/L	Fortnightly	4	1.40000	1.45000	1.50000
Lead	mg/L	Fortnightly	4	0.00050	0.00050	0.00050
Mercury	mg/L	Fortnightly	4	0.00005	0.00005	0.00005
Oil and Grease	mg/L	Fortnightly	4	1.00000	1.25000	2.00000
pH	pH units	Fortnightly	4	7.70000	7.85000	8.00000
Selenium	mg/L	Fortnightly	4	0.00500	0.00500	0.00500
Suspended Solids	mg/L	Fortnightly	4	2.50000	2.50000	2.50000
Volume	ML/d	Daily	26	0.00000	0.34426	4.68317
Zinc	mg/L	Fortnightly	4	0.00250	0.00250	0.00250

Start Of Month	End Of Month
01-Sep-24 12:00:00 AM	01-Oct-24 12:00:00 AM

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		0.000	0.000	0.000

Start Of Month	End Of Month
01-Sep-24 12:00:00 AM	01-Oct-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
---	------------	--	---	---	-------------------------	------------	--

No incidents for the last month