



Start Of Month	EndDate
01-Oct-24 12:00:00 AM	01-Nov-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-Oct-24 12:00:00 AM	01-Nov-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	3	0.06000	0.09333	0.15000
Anionic Surfactants	mg/L	Fortnightly	3	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Arsenic	mg/L	Fortnightly	3	0.00200	0.00300	0.00400
Barium	mg/L	Fortnightly	3	0.05200	0.06667	0.07800
Beryllium	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	3	0.44000	0.77000	1.04000
Cadmium	mg/L	Fortnightly	3	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	3	0.01000	0.01333	0.02000
Chromium III	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Chromium VI	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Cobalt	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Conductivity	uS/cm	Fortnightly	3	2070.00000	2310.00000	2640.00000
Copper	mg/L	Fortnightly	3	0.00200	0.00200	0.00200
Fluoride	mg/L	Fortnightly	3	0.90000	1.16667	1.40000
Lead	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	3	0.00600	0.01400	0.02800
Mercury	mg/L	Fortnightly	3	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	3	0.05600	0.07633	0.09500
Nickel	mg/L	Fortnightly	3	0.00300	0.00367	0.00400
Nitrogen	mg/L	Fortnightly	3	0.60000	0.90000	1.40000
Oil and Grease	mg/L	Weekly during any discharge	3	1.00000	2.66667	6.00000
pH	pH units	Daily	3	8.30000	8.40000	8.50000
Phosporus	mg/L	Fortnightly	3	0.03000	0.06333	0.12000
Selenium	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	3	160.00000	176.66667	190.00000
Suspended Solids	mg/L	Fortnightly	3	6.00000	12.66667	17.00000
Temperature	degC	Fortnightly	3	19.60000	21.73333	24.40000
Tin	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	3	1440.00000	1626.66667	1860.00000
Total Organic Carbon	mg/L	Fortnightly	3	6.00000	8.00000	9.00000
Vanadium	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	3	0.00250	0.00250	0.00250

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Oct-24 12:00:00 AM	01-Nov-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	3	0.16000	0.23667	0.36000
Anionic Surfactants	mg/L	Fortnightly	3	0.05000	0.18333	0.30000
Antimony	mg/L	Fortnightly	3	0.00050	0.00317	0.00700
Arsenic	mg/L	Fortnightly	3	0.00100	0.00233	0.00400
Barium	mg/L	Fortnightly	3	0.03900	0.05833	0.09600
Beryllium	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	3	0.02500	0.41500	1.13000
Cadmium	mg/L	Fortnightly	3	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	3	0.01000	0.02333	0.04000
Chromium III	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Chromium VI	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Cobalt	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Conductivity	uS/cm	Fortnightly	5	313.00000	1741.00000	2830.00000
Copper	mg/L	Fortnightly	3	0.00200	0.00300	0.00400
Fluoride	mg/L	Fortnightly	3	0.40000	0.76667	1.50000
Lead	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	3	0.00600	0.03067	0.06700
Mercury	mg/L	Fortnightly	3	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	3	0.02000	0.04933	0.10800
Nickel	mg/L	Fortnightly	3	0.00200	0.00267	0.00400
Nitrogen	mg/L	Fortnightly	3	0.60000	0.90000	1.10000
Oil and Grease	mg/L	Weekly during any discharge	5	1.00000	1.60000	3.00000
pH	pH units	Daily during any discharge	31	7.70000	8.34355	8.74000
Phosporus	mg/L	Fortnightly	3	0.05000	0.06333	0.08000
Selenium	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	3	10.00000	73.33333	200.00000
Suspended Solids	mg/L	Fortnightly	3	7.00000	10.33333	12.00000
Temperature	degC	Fortnightly	5	17.00000	19.12000	20.60000
Tin	mg/L	Fortnightly	3	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	3	175.00000	710.66667	1750.00000
Total Organic Carbon	mg/L	Fortnightly	3	8.00000	8.00000	8.00000
Vanadium	mg/L	Fortnightly	3	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	3	0.01500	0.02000	0.02700

*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	5	0.01200	0.01280	0.01400
Boron	mg/L	Fortnightly	5	1.78000	1.95800	2.19000
Cadmium	mg/L	Fortnightly	5	0.00005	0.00005	0.00005
Chromium III	mg/L	Fortnightly	5	0.00500	0.00500	0.00500
Chromium VI	mg/L	Fortnightly	5	0.00500	0.00500	0.00500
Conductivity	uS/cm	Fortnightly	5	4400.00000	4534.00000	4620.00000
Copper	mg/L	Fortnightly	5	0.00050	0.00140	0.00500
Fluoride	mg/L	Fortnightly	5	1.30000	1.38000	1.40000
Lead	mg/L	Fortnightly	5	0.00050	0.00050	0.00050
Mercury	mg/L	Fortnightly	5	0.00005	0.00005	0.00005
Oil and Grease	mg/L	Fortnightly	5	1.00000	1.00000	1.00000
pH	pH units	Fortnightly	5	7.60000	7.62000	7.70000
Selenium	mg/L	Fortnightly	5	0.00500	0.00500	0.00500
Suspended Solids	mg/L	Fortnightly	5	2.50000	5.10000	11.00000
Volume	ML/d	Daily	30	0.00000	34.86024	463.16837
Zinc	mg/L	Fortnightly	5	0.00250	0.00430	0.00800

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01-Oct-24 12:00:00 AM	01-Nov-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			

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