



Start Of Month	EndDate
01-Dec-24 12:00:00 AM	01-Jan-25 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-Dec-24 12:00:00 AM	01-Jan-25 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	0.02000	0.02000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00600	0.00600	0.00600
Arsenic	mg/L	Fortnightly	2	0.00500	0.00550	0.00600
Barium	mg/L	Fortnightly	2	0.08900	0.09150	0.09400
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	1.21000	1.23500	1.26000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.02000	0.03000	0.04000
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	2	2690.00000	2750.00000	2810.00000
Copper	mg/L	Fortnightly	2	0.00050	0.00125	0.00200
Fluoride	mg/L	Fortnightly	2	1.50000	1.50000	1.50000
Lead	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	2	0.01600	0.01800	0.02000
Mercury	mg/L	Fortnightly	2	0.00000	0.00003	0.00005
Molybdenum	mg/L	Fortnightly	2	0.11000	0.11050	0.11100
Nickel	mg/L	Fortnightly	2	0.00400	0.00450	0.00500
Nitrogen	mg/L	Fortnightly	2	0.60000	0.65000	0.70000
Oil and Grease	mg/L	Weekly during any discharge	2	1.00000	1.00000	1.00000
pH	pH units	Daily	2	8.20000	8.25000	8.30000
Phosphorus	mg/L	Fortnightly	2	0.03000	0.04500	0.06000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	2	250.00000	260.00000	270.00000
Suspended Solids	mg/L	Fortnightly	2	2.50000	2.50000	2.50000
Temperature	degC	Fortnightly	2	26.80000	27.10000	27.40000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	1810.00000	1870.00000	1930.00000
Total Organic Carbon	mg/L	Fortnightly	2	7.00000	8.50000	10.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.00250	0.00675	0.01100

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Dec-24 12:00:00 AM	01-Jan-25 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	0.05500	0.10000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00200	0.00200	0.00200
Arsenic	mg/L	Fortnightly	2	0.00400	0.00450	0.00500
Barium	mg/L	Fortnightly	2	0.05000	0.06400	0.07800
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	0.19000	0.23500	0.28000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.06000	0.06000	0.06000
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	285.00000	298.50000	318.00000
Copper	mg/L	Fortnightly	2	0.00200	0.00250	0.00300
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	0.03800	0.04200	0.04600
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.01600	0.01750	0.01900
Nickel	mg/L	Fortnightly	2	0.00100	0.00150	0.00200
Nitrogen	mg/L	Fortnightly	2	0.50000	0.80000	1.10000
Oil and Grease	mg/L	Weekly during any discharge	4	1.00000	1.25000	2.00000
pH	pH units	Daily during any discharge	30	7.08000	7.57033	8.40000
Phosphorus	mg/L	Fortnightly	2	0.08000	0.09000	0.10000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	2	5.00000	7.50000	10.00000
Suspended Solids	mg/L	Fortnightly	2	15.00000	15.50000	16.00000
Temperature	degC	Fortnightly	4	25.50000	26.87500	29.20000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	147.00000	164.50000	182.00000
Total Organic Carbon	mg/L	Fortnightly	2	6.00000	8.00000	10.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.01200	0.01550	0.01900

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-Dec-24 12:00:00 AM	01-Jan-25 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Arsenic	mg/L	Weekly during any discharge	4	0.01700	0.01825	0.02000
Boron	mg/L	Weekly during any discharge	4	1.87000	1.97000	2.06000
Cadmium	mg/L	Weekly during any discharge	4	0.00005	0.00005	0.00005
Chromium III	mg/L	Weekly during any discharge	4	0.00500	0.00500	0.00500
Chromium VI	mg/L	Weekly during any discharge	4	0.00500	0.00500	0.00500
Conductivity	uS/cm	Weekly during any discharge	4	4360.00000	4492.50000	4760.00000
Copper	mg/L	Weekly during any discharge	4	0.00050	0.00050	0.00050
Fluoride	mg/L	Weekly during any discharge	4	1.40000	1.42500	1.50000
Lead	mg/L	Weekly during any discharge	4	0.00050	0.00050	0.00050
Mercury	mg/L	Weekly during any discharge	4	0.00005	0.00005	0.00005
Oil and Grease	mg/L	Weekly during any discharge	4	1.00000	1.00000	1.00000
pH	pH units	Weekly during any discharge	4	7.20000	7.35000	7.40000
Selenium	mg/L	Weekly during any discharge	4	0.00500	0.00500	0.00500
Suspended Solids	mg/L	Weekly during any discharge	4	2.50000	13.37500	33.00000
Volume	ML/d	Daily	31	0.00000	10.95810	236.83524
Zinc	mg/L	Weekly during any discharge	4	0.01200	0.01725	0.02100

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-Dec-24 12:00:00 AM	01-Jan-25 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	No. samples collected	Lowest sample value	Mean value	Highest value
Volume	kL/d	Daily	0.0	-	-	-

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