



Start Of Month	EndDate
01-Feb-25 12:00:00 AM	01-Mar-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-Feb-25 12:00:00 AM	01-Mar-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	0.03000	0.04000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Arsenic	mg/L	Fortnightly	2	0.00400	0.00400	0.00400
Barium	mg/L	Fortnightly	2	0.08800	0.09000	0.09200
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	1.15000	1.15000	1.15000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.01000	0.02000	0.03000
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	2770.00000	2810.00000	2850.00000
Copper	mg/L	Fortnightly	2	0.00100	0.00150	0.00200
Fluoride	mg/L	Fortnightly	2	1.50000	1.55000	1.60000
Lead	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	2	0.00800	0.01300	0.01800
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.09900	0.10000	0.10100
Nickel	mg/L	Fortnightly	2	0.00300	0.00350	0.00400
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	2	8.10000	8.15000	8.20000
Phosphorus	mg/L	Fortnightly	2	0.02000	0.02000	0.02000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	2	40.00000	140.00000	240.00000
Suspended Solids	mg/L	Fortnightly	2	2.50000	4.25000	6.00000
Temperature	degC	Fortnightly	2	25.10000	25.15000	25.20000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	1720.00000	2110.00000	2500.00000
Total Organic Carbon	mg/L	Fortnightly	2	8.00000	10.50000	13.00000
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-Feb-25 12:00:00 AM	01-Mar-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	0.01500	0.02000
Anionic Surfactants	mg/L	Fortnightly	2	0.10000	0.15000	0.20000
Antimony	mg/L	Fortnightly	2	0.00100	0.00100	0.00100
Arsenic	mg/L	Fortnightly	2	0.00300	0.00300	0.00300
Barium	mg/L	Fortnightly	2	0.05800	0.06000	0.06200
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	0.09000	0.11500	0.14000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	3	0.03000	0.03667	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	6	174.00000	275.33333	386.00000
Copper	mg/L	Fortnightly	2	0.00200	0.00400	0.00600
Fluoride	mg/L	Fortnightly	2	0.40000	0.40000	0.40000
Lead	mg/L	Fortnightly	2	0.00050	0.00125	0.00200
Manganese	mg/L	Fortnightly	2	0.02900	0.03650	0.04400
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.00700	0.00950	0.01200
Nickel	mg/L	Fortnightly	2	0.00050	0.00125	0.00200
Nitrogen	mg/L	Fortnightly	2	0.50000	0.70000	0.90000
Oil and Grease	mg/L	Weekly during any discharge	4	1.00000	1.00000	1.00000
pH	pH units	Daily during any discharge	14	7.23000	8.16214	8.95000
Phosphorus	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	2	5.00000	5.00000	5.00000
Suspended Solids	mg/L	Fortnightly	3	22.00000	22.33333	23.00000
Temperature	degC	Fortnightly	6	22.30000	23.96667	26.70000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	3	120.00000	149.66667	192.00000
Total Organic Carbon	mg/L	Fortnightly	2	9.00000	9.50000	10.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.00900	0.01450	0.02000

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-Feb-25 12:00:00 AM	01-Mar-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	0.02000	0.02300	0.02500
Boron	mg/L	Weekly during any discharge	4	2.19000	2.22500	2.25000
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	4730.00000	4992.50000	5200.00000
Copper	mg/L	Weekly during any discharge	4	0.00050	0.00063	0.00100
Fluoride	mg/L	Weekly during any discharge	4	1.60000	1.70000	1.90000
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	1.25000	2.00000
pH	pH units	Weekly during any discharge	4	7.40000	7.42500	7.50000
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	6.75000	14.00000
Volume	ML/d	Daily	28	0.00000	1.26900	5.42379
Zinc	mg/L	Weekly during any discharge	4	0.00250	0.00763	0.01400

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-Feb-25 12:00:00 AM	01-Mar-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			

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