



Start Of Month	EndDate
01-Jan-25 12:00:00 AM	01-Feb-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-Jan-25 12:00:00 AM	01-Feb-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	0.01000	0.01500	0.02000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00400	0.00500	0.00600
Arsenic	mg/L	Fortnightly	2	0.00300	0.00350	0.00400
Barium	mg/L	Fortnightly	2	0.08400	0.08750	0.09100
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	1.02000	1.13000	1.24000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.02000	0.02500	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	2670.00000	2780.00000	2890.00000
Copper	mg/L	Fortnightly	2	0.00050	0.00075	0.00100
Fluoride	mg/L	Fortnightly	2	1.60000	1.65000	1.70000
Lead	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	2	0.01300	0.01950	0.02600
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.09800	0.10100	0.10400
Nickel	mg/L	Fortnightly	2	0.00400	0.00400	0.00400
Nitrogen	mg/L	Fortnightly	2	0.50000	0.55000	0.60000
Oil and Grease	mg/L	Weekly during any discharge	2	1.00000	1.50000	2.00000
pH	pH units	Daily	2	8.20000	8.25000	8.30000
Phosphorus	mg/L	Fortnightly	2	0.02000	0.04000	0.06000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	2	250.00000	255.00000	260.00000
Suspended Solids	mg/L	Fortnightly	2	2.50000	5.25000	8.00000
Temperature	degC	Fortnightly	2	25.50000	26.90000	28.30000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	1680.00000	1895.00000	2110.00000
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	0.00250	0.00250	0.00250

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Jan-25 12:00:00 AM	01-Feb-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	0.00500	0.01750	0.03000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.07500	0.10000
Antimony	mg/L	Fortnightly	2	0.00050	0.00075	0.00100
Arsenic	mg/L	Fortnightly	2	0.00300	0.00350	0.00400
Barium	mg/L	Fortnightly	2	0.05000	0.05100	0.05200
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	0.06000	0.10500	0.15000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.03000	0.03500	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	5	285.00000	308.40000	332.00000
Copper	mg/L	Fortnightly	2	0.00100	0.00200	0.00300
Fluoride	mg/L	Fortnightly	2	0.40000	0.45000	0.50000
Lead	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Manganese	mg/L	Fortnightly	2	0.03100	0.03550	0.04000
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.01000	0.01300	0.01600
Nickel	mg/L	Fortnightly	2	0.00050	0.00075	0.00100
Nitrogen	mg/L	Fortnightly	2	0.60000	0.70000	0.80000
Oil and Grease	mg/L	Weekly during any discharge	5	1.00000	1.20000	2.00000
pH	pH units	Daily during any discharge	10	6.89000	7.57500	8.73000
Phosphorus	mg/L	Fortnightly	2	0.07000	0.08000	0.09000
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	12.00000	16.00000	20.00000
Temperature	degC	Fortnightly	5	23.40000	25.34000	27.00000
Tin	mg/L	Fortnightly	2	0.00050	0.00075	0.00100
Total Dissolved Solids	mg/L	Fortnightly	2	134.00000	183.50000	233.00000
Total Organic Carbon	mg/L	Fortnightly	2	8.00000	8.50000	9.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.00900	0.01300	0.01700

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-Jan-25 12:00:00 AM	01-Feb-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	5	0.01800	0.02060	0.02300
Boron	mg/L	Weekly during any discharge	5	1.78000	2.01400	2.24000
Cadmium	mg/L	Weekly during any discharge	5	0.00005	0.00005	0.00005
Chromium III	mg/L	Weekly during any discharge	5	0.00500	0.00500	0.00500
Chromium VI	mg/L	Weekly during any discharge	5	0.00500	0.00500	0.00500
Conductivity	uS/cm	Weekly during any discharge	5	4560.00000	4828.00000	5030.00000
Copper	mg/L	Weekly during any discharge	5	0.00050	0.00080	0.00200
Fluoride	mg/L	Weekly during any discharge	5	1.50000	1.68000	1.80000
Lead	mg/L	Weekly during any discharge	5	0.00050	0.00050	0.00050
Mercury	mg/L	Weekly during any discharge	5	0.00005	0.00012	0.00040
Oil and Grease	mg/L	Weekly during any discharge	5	1.00000	1.20000	2.00000
pH	pH units	Weekly during any discharge	5	7.20000	7.44000	7.60000
Selenium	mg/L	Weekly during any discharge	5	0.00500	0.00500	0.00500
Suspended Solids	mg/L	Weekly during any discharge	5	2.50000	7.20000	18.00000
Volume	ML/d	Daily	31	0.00000	0.80099	3.94396
Zinc	mg/L	Weekly during any discharge	5	0.00250	0.01190	0.01800

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

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