



Start Of Month	EndDate
01-Mar-25 12:00:00 AM	01-Apr-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-Mar-25 12:00:00 AM	01-Apr-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	0.00500	0.04250	0.08000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.05000	0.05000
Antimony	mg/L	Fortnightly	2	0.00500	0.00550	0.00600
Arsenic	mg/L	Fortnightly	2	0.00400	0.00450	0.00500
Barium	mg/L	Fortnightly	2	0.09800	0.10600	0.11400
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	1.30000	1.38500	1.47000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.02000	0.02000	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	2	2770.00000	2785.00000	2800.00000
Copper	mg/L	Fortnightly	2	0.00100	0.00150	0.00200
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	0.01400	0.01600	0.01800
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.10900	0.12050	0.13200
Nickel	mg/L	Fortnightly	2	0.00400	0.00450	0.00500
Nitrogen	mg/L	Fortnightly	2	0.50000	0.55000	0.60000
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
Phosporus	mg/L	Fortnightly	2	0.00500	0.02250	0.04000
Selenium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Sulfur	mg/L	Fortnightly	2	240.00000	310.00000	380.00000
Suspended Solids	mg/L	Fortnightly	2	2.50000	5.25000	8.00000
Temperature	degC	Fortnightly	2	24.30000	25.75000	27.20000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	1970.00000	2005.00000	2040.00000
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	0.00250	0.00250	0.00250

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Mar-25 12:00:00 AM	01-Apr-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	0.02000	0.04000	0.06000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.07500	0.10000
Antimony	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Arsenic	mg/L	Fortnightly	2	0.00400	0.00400	0.00400
Barium	mg/L	Fortnightly	2	0.08500	0.08550	0.08600
Beryllium	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Boron	mg/L	Fortnightly	2	0.06000	0.08500	0.11000
Cadmium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Chlorine	mg/L	Fortnightly	2	0.05000	0.05500	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	277.00000	284.75000	291.00000
Copper	mg/L	Fortnightly	2	0.00300	0.00400	0.00500
Fluoride	mg/L	Fortnightly	2	0.40000	0.45000	0.50000
Lead	mg/L	Fortnightly	2	0.00050	0.00075	0.00100
Manganese	mg/L	Fortnightly	2	0.05700	0.05800	0.05900
Mercury	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Molybdenum	mg/L	Fortnightly	2	0.01000	0.01050	0.01100
Nickel	mg/L	Fortnightly	2	0.00200	0.00200	0.00200
Nitrogen	mg/L	Fortnightly	2	0.90000	1.20000	1.50000
Oil and Grease	mg/L	Weekly during any discharge	4	1.00000	1.25000	2.00000
pH	pH units	Daily during any discharge	7	7.34000	7.82857	8.10000
Phosporus	mg/L	Fortnightly	2	0.07000	0.07000	0.07000
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	16.00000	22.00000	28.00000
Temperature	degC	Fortnightly	4	23.40000	24.55000	26.20000
Tin	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Total Dissolved Solids	mg/L	Fortnightly	2	188.00000	197.00000	206.00000
Total Organic Carbon	mg/L	Fortnightly	2	12.00000	12.00000	12.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.01600	0.01950	0.02300

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	Weekly during any discharge	4	0.02200	0.02400	0.02600
Boron	mg/L	Weekly during any discharge	4	2.08000	2.23000	2.41000
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	4820.00000	5017.50000	5200.00000
Copper	mg/L	Weekly during any discharge	4	0.00050	0.00100	0.00200
Fluoride	mg/L	Weekly during any discharge	4	1.60000	1.72500	1.80000
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	7.42500	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	5.62500	15.00000
Volume	ML/d	Daily	31	0.00000	1.97156	12.73184
Zinc	mg/L	Weekly during any discharge	4	0.01200	0.01525	0.02100

Start Of Month	End Of Month
01-Mar-25 12:00:00 AM	01-Apr-25 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.	Lowest sample value	Mean value	Highest value
Volume	kL/d	Daily	0			

Start Of Month	End Of Month
01-Mar-25 12:00:00 AM	01-Apr-25 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