



Start Of Month	EndDate
01-Nov-24 12:00:00 AM	01-Dec-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-Nov-24 12:00:00 AM	01-Dec-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	2	0.02000	0.02000	0.02000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.12500	0.20000
Antimony	mg/L	Fortnightly	2	0.00700	0.00790	0.00880
Arsenic	mg/L	Fortnightly	2	0.00390	0.00420	0.00450
Barium	mg/L	Fortnightly	2	0.08500	0.08650	0.08800
Beryllium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Boron	mg/L	Fortnightly	2	1.15000	1.09000	1.24000
Cadmium	mg/L	Fortnightly	2	0.00002	0.00002	0.00002
Chlorine	mg/L	Fortnightly	2	0.03000	0.03500	0.04000
Chromium III	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Chromium VI	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Cobalt	mg/L	Fortnightly	2	0.00010	0.00010	0.00010
Conductivity	uS/cm	Fortnightly	2	2750.00000	2770.00000	2790.00000
Copper	mg/L	Fortnightly	2	0.00200	0.00230	0.00260
Fluoride	mg/L	Fortnightly	2	1.40000	1.55000	1.70000
Lead	mg/L	Fortnightly	2	0.00005	0.00008	0.00010
Manganese	mg/L	Fortnightly	2	0.01580	0.01815	0.02050
Mercury	mg/L	Fortnightly	2	0.00000	0.00000	0.00000
Molybdenum	mg/L	Fortnightly	2	0.11200	0.11900	0.12600
Nickel	mg/L	Fortnightly	2	0.00410	0.00415	0.00420
Nitrogen	mg/L	Fortnightly	2	0.70000	1.15000	1.60000
Oil and Grease	mg/L	Weekly during any discharge	2	1.00000	1.50000	2.00000
pH	pH units	Daily	2	8.20000	8.35000	8.50000
Phosporus	mg/L	Fortnightly	2	0.05000	0.55000	1.05000
Selenium	mg/L	Fortnightly	2	0.00340	0.00400	0.00460
Sulfur	mg/L	Fortnightly	2	200.00000	220.00000	240.00000
Suspended Solids	mg/L	Fortnightly	2	2.50000	2.50000	2.50000
Temperature	degC	Fortnightly	2	25.10000	25.85000	26.60000
Tin	mg/L	Fortnightly	2	0.00010	0.00010	0.00010
Total Dissolved Solids	mg/L	Fortnightly	2	1880.00000	2010.00000	2140.00000
Total Organic Carbon	mg/L	Fortnightly	2	10.00000	10.00000	10.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.00300	0.00450	0.00600

EPA Monitoring Point 17



Start Of Month	End Of Month
01-Nov-24 12:00:00 AM	01-Dec-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	2	0.06000	0.09000	0.12000
Anionic Surfactants	mg/L	Fortnightly	2	0.05000	0.07500	0.10000
Antimony	mg/L	Fortnightly	2	0.00160	0.00200	0.00240
Arsenic	mg/L	Fortnightly	2	0.00360	0.00360	0.00360
Barium	mg/L	Fortnightly	2	0.02400	0.03500	0.04600
Beryllium	mg/L	Fortnightly	2	0.00005	0.00005	0.00005
Boron	mg/L	Fortnightly	2	0.05000	0.04600	0.10000
Cadmium	mg/L	Fortnightly	2	0.00002	0.00002	0.00002
Chlorine	mg/L	Fortnightly	2	0.03000	0.04000	0.05000
Chromium III	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Chromium VI	mg/L	Fortnightly	2	0.00050	0.00050	0.00050
Cobalt	mg/L	Fortnightly	2	0.00010	0.00015	0.00020
Conductivity	uS/cm	Fortnightly	4	263.00000	304.50000	341.00000
Copper	mg/L	Fortnightly	2	0.00450	0.00465	0.00480
Fluoride	mg/L	Fortnightly	2	0.30000	0.35000	0.40000
Lead	mg/L	Fortnightly	2	0.00110	0.00110	0.00110
Manganese	mg/L	Fortnightly	2	0.01610	0.02225	0.02840
Mercury	mg/L	Fortnightly	2	0.00000	0.00000	0.00000
Molybdenum	mg/L	Fortnightly	2	0.01600	0.02080	0.02560
Nickel	mg/L	Fortnightly	2	0.00110	0.00130	0.00150
Nitrogen	mg/L	Fortnightly	2	0.40000	0.60000	0.80000
Oil and Grease	mg/L	Weekly during any discharge	4	1.00000	1.00000	1.00000
pH	pH units	Daily during any discharge	29	6.88000	7.88828	8.60000
Phosporus	mg/L	Fortnightly	2	0.04000	0.05000	0.06000
Selenium	mg/L	Fortnightly	2	0.00120	0.00140	0.00160
Sulfur	mg/L	Fortnightly	2	5.00000	7.50000	10.00000
Suspended Solids	mg/L	Fortnightly	2	20.00000	21.00000	22.00000
Temperature	degC	Fortnightly	4	23.60000	24.02500	24.90000
Tin	mg/L	Fortnightly	2	0.00010	0.00010	0.00010
Total Dissolved Solids	mg/L	Fortnightly	2	150.00000	182.00000	214.00000
Total Organic Carbon	mg/L	Fortnightly	2	8.00000	9.00000	10.00000
Vanadium	mg/L	Fortnightly	2	0.00500	0.00500	0.00500
Zinc	mg/L	Fortnightly	2	0.01700	0.01850	0.02000

•EPL Point 17 – pH monitoring - pH data is included for completeness, the probe is not able to accurately record pH prior to 7 November 2024

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	0.01300	0.01350	0.01400
Boron	mg/L	Weekly during any discharge	4	1.89000	1.95500	1.99000
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	4550.00000	4602.50000	4670.00000
Copper	mg/L	Weekly during any discharge	4	0.00050	0.00050	0.00050
Fluoride	mg/L	Weekly during any discharge	4	1.40000	1.40000	1.40000
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	7.40000	7.50000	7.60000
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	3.87500	8.00000
Volume	ML/d	Daily	30	0.00000	50.97369	520.29059
Zinc	mg/L	Weekly during any discharge	4	0.00600	0.00825	0.01000

Start Of Month

End Of Month

01-Nov-24 12:00:00 AM

01-Dec-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		0.00	0.00	0.00



Start Of Month

End Of Month

01-Nov-24 12:00:00 AM

01-Dec-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