

## Environment Compliance: Pollution Monitoring Data

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

Reporting Period: 01 October 2023 - 30 September 2024

EPA Licence: **6348**

Monitoring Point: **EPA 5.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9801A" as identified on drawing 08A\_EV03 dated 2012 contained within the Mudgee Waste Facility Pollution Incident Response Management Plan, dated 08/2012

<https://apps.epa.nsw.gov.au/prpoeapp/Detail.aspx?instid=6348&id=6348&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>

Date sampled:	8/11/2023	15/05/2024
Work Order:	ME2302036004	ME2400813
Sampler:	ALS	ALS
Results Received:	13/11/2023	27/05/2024
Published:		12/06/2024

Pollutant	Limit 100 percentile	Unit of measure			No. of samples required.	No. of samples collected and analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Alkalinity as CaCO3		mg/L	575	509	2	2	509.000	542.000	575.000
Aluminium		mg/L	0.1	0.36	2	2	0.100	0.230	0.360
Ammonia as N		mg/L	0.11	0.17	2	2	0.110	0.140	0.170
Arsenic		mg/L	0.009	0.005	2	2	0.005	0.007	0.009
Barium		mg/L	0.702	0.634	2	2	0.634	0.668	0.702
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1.000	1.000	1.000
Calcium		mg/L	864	792	2	2	792.000	828.000	864.000
Chloride		mg/L	3630	3430	2	2	3430.000	3530.000	3630.000
Cobalt		mg/L	0.004	0.005	2	2	0.004	0.005	0.005
Conductivity (Non Compensated)		µS/cm	11400	11100	2	2	11100.000	11250.000	11400.000
Copper		mg/L	0.004	0.006	2	2	0.004	0.005	0.006
Fluoride		mg/L	0.2	0.2	2	2	0.200	0.200	0.200
Iron		mg/L	13.5	5.27	2	2	5.270	9.385	13.500
Lead		mg/L	0.003	0.003	2	2	0.003	0.003	0.003
Magnesium		mg/L	419	408	2	2	408.000	413.500	419.000
Manganese		mg/L	0.666	0.656	2	2	0.656	0.661	0.666
Nitrate as N		mg/L	0.03	0.01	2	2	0.010	0.020	0.030
pH		pH	6.3	6.4	2	2	6.300	6.350	6.400
Phosphorus as P (total)		mg/L	0.11	0.11	2	2	0.110	0.110	0.110
Potassium		mg/L	7	7	2	2	7.000	7.000	7.000
Sodium		mg/L	942	910	2	2	910.000	926.000	942.000
Standing Water Level		As Approp.	2.71	3.14	2	2	2.710	2.925	3.140
Sulfate as SO4 - Turbidimetric		mg/L	53	55	2	2	53.000	54.000	55.000
Total Dissolved Solids @180°C		mg/L	10800	10200	2	2	10200.000	10500.000	10800.000
Total Organic Carbon		mg/L	20	9	2	2	9.000	14.500	20.000
Total Petroleum Hydrocarbons		mg/L	0.049	1.4	2	2	0.049	0.725	1.400
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.040	0.040	0.040
Zinc		mg/L	0.024	0.029	2	2	0.024	0.027	0.029