

## 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 7.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9803A" 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/prpoeoapp/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:	ME2302036006	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	1020.000	976.000	2	2	976.000	998.000	1020.000
Aluminium		mg/L	0.160	0.460	2	2	0.160	0.310	0.460
Ammonia as N		mg/L	3.650	3.120	2	2	3.120	3.385	3.650
Arsenic		mg/L	0.016	0.018	2	2	0.016	0.017	0.018
Barium		mg/L	0.387	0.360	2	2	0.360	0.374	0.387
Biochemical Oxygen Demand		mg/L	7.000	2.000	2	2	2.000	4.500	7.000
Calcium		mg/L	292.000	296.000	2	2	292.000	294.000	296.000
Chloride		mg/L	1360.000	1280.000	2	2	1280.000	1320.000	1360.000
Cobalt		mg/L	0.017	0.060	2	2	0.017	0.039	0.060
Conductivity (Non Compensated)		µS/cm	5800.000	5720.000	2	2	5720.000	5760.000	5800.000
Copper		mg/L	0.003	0.002	2	2	0.002	0.003	0.003
Fluoride		mg/L	0.200	0.200	2	2	0.200	0.200	0.200
Iron		mg/L	32.200	35.100	2	2	32.200	33.650	35.100
Lead		mg/L	0.004	0.004	2	2	0.004	0.004	0.004
Magnesium		mg/L	315.000	318.000	2	2	315.000	316.500	318.000
Manganese		mg/L	2.090	1.400	2	2	1.400	1.745	2.090
Nitrate as N		mg/L	0.060	0.040	2	2	0.040	0.050	0.060
pH		pH	6.800	6.900	2	2	6.800	6.850	6.900
Phosphorus as P (total)		mg/L	0.220	0.260	2	2	0.220	0.240	0.260
Potassium		mg/L	11.000	10.000	2	2	10.000	10.500	11.000
Sodium		mg/L	490.000	478.000	2	2	478.000	484.000	490.000
Standing Water Level		As Approp.	19.900	23.100	2	1	19.900	21.500	23.100
Sulfate as SO4 - Turbidimetric		mg/L	2780.000	10.000	2	2	10.000	1395.000	2780.000
Total Dissolved Solids @180°C		mg/L	4170.000	5720.000	2	2	4170.000	4945.000	5720.000
Total Organic Carbon		mg/L	11.000	14.000	2	2	11.000	12.500	14.000
Total Petroleum Hydrocarbons		mg/L	0.049	0.049	2	2	0.049	0.049	0.049
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.040	0.040	0.040
Zinc		mg/L	0.025	0.012	2	2	0.012	0.019	0.025