

## 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 13.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9805" as identified on drawing 2-13369\_FIG. 5.1 dated 2014 contained within the Mudgee Waste Facility Groundwater Investigation Report, dated 06/2014.

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

Date sampled:	8/11/2023	15/05/2024
Work Order:	ME2302036010	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	771	705	2	2	705.000	738.000	771.000
Aluminium		mg/L	0.23	0.02	2	2	0.020	0.125	0.230
Ammonia as N		mg/L	0.17	0.04	2	2	0.040	0.105	0.170
Arsenic		mg/L	0.002	0.019	2	2	0.002	0.011	0.019
Barium		mg/L	1.28	0.789	2	2	0.789	1.035	1.280
Biochemical Oxygen Demand		mg/L	2	<2	2	2	1.000	1.500	1.000
Calcium		mg/L	159	231	2	2	159.000	195.000	231.000
Chloride		mg/L	1450	2130	2	2	1450.000	1790.000	2130.000
Cobalt		mg/L	0.002	0.002	2	2	0.002	0.002	0.002
Conductivity (Non Compensated)		µS/cm	5980	7680	2	2	5980.000	6830.000	7680.000
Copper		mg/L	0.002	<0.001	2	2	0.001	0.001	0.002
Fluoride		mg/L	0.6	0.6	2	2	0.600	0.600	0.600
Iron		mg/L	0.19	0.73	2	2	0.190	0.460	0.730
Lead		mg/L	<0.001	<0.001	2	2	0.001	0.001	0.001
Magnesium		mg/L	207	366	2	2	207.000	286.500	366.000
Manganese		mg/L	1.97	1.76	2	2	1.760	1.865	1.970
Nitrate as N		mg/L	0.03	<0.01	2	2	0.009	0.020	0.030
pH		pH	6.9	7	2	2	6.900	6.950	7.000
Phosphorus as P (total)		mg/L	0.06	0.05	2	2	0.050	0.055	0.060
Potassium		mg/L	30	6	2	2	6.000	18.000	30.000
Sodium		mg/L	92	885	2	2	92.000	488.500	885.000
Standing Water Level		As Approp.	4.04	4.13	2	2	3.630	3.630	4.130
Sulfate as SO4 - Turbidimetric		mg/L	25	79	2	2	25.000	52.000	79.000
Total Dissolved Solids @180°C		mg/L	3800	5530	2	2	3800.000	4665.000	5530.000
Total Organic Carbon		mg/L	5	8	2	2	5.000	6.500	8.000
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	0.02	0.005	2	2	0.005	0.013	0.020