

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 12.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9806" 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/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:	ME2302036009	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 CaCO ₃		mg/L	562	560	2	2	560.000	561.000	562.000
Aluminium		mg/L	0.48	0.42	2	2	0.420	0.450	0.480
Ammonia as N		mg/L	0.66	0.47	2	2	0.470	0.565	0.660
Arsenic		mg/L	0.001	<0.001	2	2	0.001	0.001	0.001
Barium		mg/L	0.83	0.567	2	2	0.567	0.699	0.830
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1.000	1.000	1.000
Calcium		mg/L	210	157	2	2	157.000	183.500	210.000
Chloride		mg/L	1230	865	2	2	865.000	1047.500	1230.000
Cobalt		mg/L	0.003	0.003	2	2	0.003	0.003	0.003
Conductivity (Non Compensated)		µS/cm	5010	3840	2	2	3840.000	4425.000	5010.000
Copper		mg/L	0.014	0.009	2	2	0.009	0.012	0.014
Fluoride		mg/L	0.5	0.5	2	2	0.500	0.500	0.500
Iron		mg/L	1.49	1	2	2	1.000	1.245	1.490
Lead		mg/L	0.003	0.002	2	2	0.002	0.003	0.003
Magnesium		mg/L	171	134	2	2	134.000	152.500	171.000
Manganese		mg/L	1.63	1.24	2	2	1.240	1.435	1.630
Nitrate as N		mg/L	0.02	0.05	2	2	0.020	0.035	0.050
pH		pH	6.8	7	2	2	6.800	6.900	7.000
Phosphorus as P (total)		mg/L	0.07	0.12	2	2	0.070	0.095	0.120
Potassium		mg/L	9	8	2	2	8.000	8.500	9.000
Sodium		mg/L	592	487	2	2	487.000	539.500	592.000
Standing Water Level		As Approp.	2.63	2.17	2	1	2.170	2.400	2.630
Sulfate as SO ₄ - Turbidimetric		mg/L	75	75	2	2	75.000	75.000	75.000
Total Dissolved Solids @180°C		mg/L	3400	2320	2	2	2320.000	2860.000	3400.000
Total Organic Carbon		mg/L	10	6	2	2	6.000	8.000	10.000
Total Petroleum Hydrocarbons		mg/L	0.049	0.1	2	2	0.049	0.075	0.100
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.004	0.004	0.004
Zinc		mg/L	0.009	0.01	2	2	0.009	0.010	0.010