

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 8.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9804A" 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=PEO%20licence&prp=no&status=Issued>

Date sampled:	8/11/2023	15/05/2024
Work Order:	ME2302036007	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	609	558	2	2	558.000	583.500	609.000
Aluminium		mg/L	0.1	0.05	2	2	0.050	0.075	0.100
Ammonia as N		mg/L	0.08	0.03	2	2	0.030	0.055	0.080
Arsenic		mg/L	<0.001	<0.001	2	2	0.001	0.001	0.001
Barium		mg/L	0.073	0.073	2	2	0.073	0.073	0.073
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1.000	1.000	1.000
Calcium		mg/L	423	338	2	2	338.000	380.500	423.000
Chloride		mg/L	1270	1170	2	2	1170.000	1220.000	1270.000
Cobalt		mg/L	<0.001	<0.001	2	2	0.001	0.001	0.001
Conductivity (Non Compensated)		µS/cm	5220	4870	2	2	4870.000	5045.000	5220.000
Copper		mg/L	0.002	0.002	2	2	0.002	0.002	0.002
Fluoride		mg/L	0.3	0.2	2	2	0.200	0.250	0.300
Iron		mg/L	0.43	0.2	2	2	0.200	0.315	0.430
Lead		mg/L	0.006	0.002	2	2	0.002	0.004	0.006
Magnesium		mg/L	205	184	2	2	184.000	194.500	205.000
Manganese		mg/L	0.092	0.043	2	2	0.043	0.068	0.092
Nitrate as N		mg/L	4.64	4.74	2	2	4.640	4.690	4.740
pH		pH	6.6	6.8	2	2	6.600	6.700	6.800
Phosphorus as P (total)		mg/L	0.05	0.05	2	2	0.050	0.050	0.050
Potassium		mg/L	5	3	2	2	3.000	4.000	5.000
Sodium		mg/L	421	394	2	2	394.000	407.500	421.000
Standing Water Level		As Approp.	14.2	14.8	2	1	14.200	14.500	14.800
Sulfate as SO4 - Turbidimetric		mg/L	105	115	2	2	105.000	110.000	115.000
Total Dissolved Solids @180°C		mg/L	480	3980	2	2	480.000	2230.000	3980.000
Total Organic Carbon		mg/L	16	4	2	2	4.000	10.000	16.000
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	0.012	0.009	2	2	0.009	0.011	0.012