

## 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 4.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9802B" 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:	ME2302036003	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	727	731	2	2	727.000	729.000	731.000
Aluminium		mg/L	6.97	0.45	2	2	0.450	3.710	6.970
Ammonia as N		mg/L	1.02	1.37	2	2	1.020	1.195	1.370
Arsenic		mg/L	0.007	0.002	2	2	0.002	0.005	0.007
Barium		mg/L	0.178	0.091	2	2	0.091	0.135	0.178
Biochemical Oxygen Demand		mg/L	<2	3	2	2	1.000	2.000	3.000
Calcium		mg/L	32	28	2	2	28.000	30.000	32.000
Chloride		mg/L	448	45	2	2	45.000	246.500	448.000
Cobalt		mg/L	0.005	<0.001	2	2	0.001	0.003	0.005
Conductivity (Non Compensated)		µS/cm	2670	2650	2	2	2650.000	2660.000	2670.000
Copper		mg/L	0.037	0.003	2	2	0.003	0.020	0.037
Fluoride		mg/L	0.6	0.7	2	2	0.600	0.650	0.700
Iron		mg/L	13	4.76	2	2	4.760	8.880	13.000
Lead		mg/L	0.028	0.005	2	2	0.005	0.017	0.028
Magnesium		mg/L	25	24	2	2	24.000	24.500	25.000
Manganese		mg/L	1.31	1.07	2	2	1.070	1.190	1.310
Nitrate as N		mg/L	0.02	<0.01	2	2	0.009	0.015	0.020
pH		pH	7.3	7.4	2	2	7.300	7.350	7.400
Phosphorus as P (total)		mg/L	1.22	0.73	2	2	0.730	0.975	1.220
Potassium		mg/L	10	10	2	2	10.000	10.000	10.000
Sodium		mg/L	571	538	2	2	538.000	554.500	571.000
Standing Water Level		As Approp.	5.24	5.84	2	2	5.240	5.540	5.840
Sulfate as SO4 - Turbidimetric		mg/L	3	4	2	2	3.000	3.500	4.000
Total Dissolved Solids @180°C		mg/L	1630	1600	2	2	1600.000	1615.000	1630.000
Total Organic Carbon		mg/L	20	18	2	2	18.000	19.000	20.000
Total Petroleum Hydrocarbons		mg/L	0.049	0.2	2	2	0.049	0.125	0.200
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.040	0.040	0.000
Zinc		mg/L	0.419	0.065	2	2	0.065	0.242	0.419