

## Environment Compliance: Pollution Monitoring Data

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

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

Reporting Period: 01 October 2022 - 30 September 2023

<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:	21/12/2022	16/05/2023
Work Order:	ME2202247	ME2300905007
Sampler:	ALS	ALS
Results Received:	13/01/2023	29/05/2023
Published:	16/01/2023	16/06/2023

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	584	704	2	2	584.000	644.000	704.000
Aluminium		mg/L	0.19	0.05	2	2	0.050	0.120	0.190
Ammonia as N		mg/L	0.88	1.8	2	2	0.880	1.340	1.800
Arsenic		mg/L	<0.001	<0.001	2	2	0.001	0.001	0.001
Barium		mg/L	0.07	0.064	2	2	0.064	0.067	0.070
Biochemical Oxygen Demand		mg/L	8	<2	2	2	8.000	8.000	8.000
Calcium		mg/L	323	338	2	2	323.000	330.500	338.000
Chloride		mg/L	1030	1330	2	2	1030.000	1180.000	1330.000
Cobalt		mg/L	<0.1	<0.1	2	2	0.090	0.090	0.090
Conductivity (Non Compensated)		µS/cm	4300	4980	2	2	4300.000	4640.000	4980.000
Copper		mg/L	0.003	0.001	2	2	0.001	0.002	0.003
Fluoride		mg/L	0.3	0.3	2	2	0.300	0.300	0.300
Iron		mg/L	0.76	0.72	2	2	0.720	0.740	0.760
Lead		mg/L	0.0014	0.007	2	2	0.001	0.004	0.007
Magnesium		mg/L	146	165	2	2	146.000	155.500	165.000
Manganese		mg/L	0.086	0.063	2	2	0.063	0.075	0.086
Nitrate as N		mg/L	0.66	0.58	2	2	0.580	0.620	0.660
pH		pH	6.8	6.6	2	2	6.600	6.700	6.800
Phosphorus as P (total)		mg/L	0.17	0.28	2	2	0.170	0.225	0.280
Potassium		mg/L	8	4	2	2	4.000	6.000	8.000
Sodium		mg/L	358	367	2	2	358.000	362.500	367.000
Standing Water Level		As Approp.	NA	12.98	2	2	0.000	0.000	0.000
Sulfate as SO4 - Turbidimetric		mg/L	97	102	2	2	97.000	99.500	102.000
Total Dissolved Solids @180°C		mg/L	2930	3550	2	2	2930.000	3240.000	3550.000
Total Organic Carbon		mg/L	6	6	2	2	6.000	6.000	6.000
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	0.031	0.016	2	2	0.016	0.024	0.031