

## Environment Compliance: Pollution Monitoring Data

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

Reporting Period: 01 October 2022 - 30 September 2023

EPA Licence: **6348**

Monitoring Point: **EPA 5.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9801A" 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:	21/12/2022	16/05/2023
Work Order:	ME2202247	ME2300905004
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	978	642	2	2	642.000	810.000	978.000
Aluminium		mg/L	0.08	0.09	2	2	0.080	0.085	0.090
Ammonia as N		mg/L	0.46	0.2	2	2	0.200	0.330	0.460
Arsenic		mg/L	0.006	0.005	2	2	0.005	0.006	0.006
Barium		mg/L	0.337	0.69	2	2	0.337	0.514	0.690
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1.000	1.000	1.000
Calcium		mg/L	376	864	2	2	376.000	620.000	864.000
Chloride		mg/L	3540	4600	2	2	3540.000	4070.000	4600.000
Cobalt		mg/L	0.006	0.005	2	2	0.005	0.006	0.006
Conductivity (Non Compensated)		µS/cm	11500	12500	2	2	11500.000	12000.000	12500.000
Copper		mg/L	0.013	0.003	2	2	0.003	0.008	0.013
Fluoride		mg/L	0.4	0.02	2	2	0.020	0.210	0.400
Iron		mg/L	4.9	4.11	2	2	4.110	4.505	4.900
Lead		mg/L	0.002	0.004	2	2	0.002	0.003	0.004
Magnesium		mg/L	423	405	2	2	405.000	414.000	423.000
Manganese		mg/L	2.7	0.659	2	2	0.659	1.680	2.700
Nitrate as N		mg/L	<0.01	0.34	2	2	0.009	0.175	0.340
pH		pH	6.9	6.4	2	2	6.400	6.650	6.900
Phosphorus as P (total)		mg/L	0.74	0.29	2	2	0.290	0.515	0.740
Potassium		mg/L	7	6	2	2	6.000	6.500	7.000
Sodium		mg/L	1440	925	2	2	925.000	1182.500	1440.000
Standing Water Level		As Approp.	NA	1.89	2	2	0.000	0.000	0.000
Sulfate as SO4 - Turbidimetric		mg/L	315	56	2	2	56.000	185.500	315.000
Total Dissolved Solids @180°C		mg/L	7800	9540	2	2	7800.000	8670.000	9540.000
Total Organic Carbon		mg/L	62	14	2	2	14.000	38.000	62.000
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	0.018	0.035	2	2	0.018	0.027	0.035