



Environmental Monitoring

Reporting Period: **01 October 2022 - 30 September 2023**

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

<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	
Work Order:	ME2202247	
Sampler:	ALS	
Results Received:	13/01/2023	
Published:	16/01/2023	

Pollutant	Limit 100 percentile	Unit of measure	Comments			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		584		2	1	584.000	584.000	584.000
Aluminium		mg/L		0.19		2	1	0.190	0.190	0.190
Ammonia as N		mg/L		0.88		2	1	0.880	0.880	0.880
Arsenic		mg/L		<0.001		2	1	0.001	0.001	0.001
Barium		mg/L		0.07		2	1	0.070	0.070	0.070
Biochemical Oxygen Demand		mg/L		8		2	1	8.000	8.000	8.000
Calcium		mg/L		323		2	1	323.000	323.000	323.000
Chloride		mg/L		1030		2	1	1030.000	1030.000	1030.000
Cobalt		mg/L		<0.1		2	1	0.090	0.090	0.090
Conductivity (Non Compensated)		µS/cm		4300		2	1	4300.000	4300.000	4300.000
Copper		mg/L		0.003		2	1	0.003	0.003	0.003
Fluoride		mg/L		0.3		2	1	0.300	0.300	0.300
Iron		mg/L		0.76		2	1	0.760	0.760	0.760
Lead		mg/L		0.0014		2	1	0.001	0.001	0.001
Magnesium		mg/L		146		2	1	146.000	146.000	146.000
Manganese		mg/L		0.086		2	1	0.086	0.086	0.086
Nitrate as N		mg/L		0.66		2	1	0.660	0.660	0.660
pH		pH		6.8		2	1	6.800	6.800	6.800
Phosphorus as P (total)		mg/L		0.17		2	1	0.170	0.170	0.170
Potassium		mg/L		8		2	1	8.000	8.000	8.000
Sodium		mg/L		358		2	1	358.000	358.000	358.000
Standing Water Level		As Approp.		NA		2	1	0.000	0.000	0.000
Sulfate as SO ₄ - Turbidimetric		mg/L		97		2	1	97.000	97.000	97.000
Total Dissolved Solids @180°C		mg/L		2930		2	1	2930.000	2930.000	2930.000
Total Organic Carbon		mg/L		6		2	1	6.000	6.000	6.000
Total Petroleum Hydrocarbons		mg/L		0.049		2	1	0.049	0.049	0.049
Total Phenolics		mg/L		<0.05		2	1	0.040	0.040	0.040
Zinc		mg/L		0.031		2	1	0.031	0.031	0.031