



# 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 13.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9805" as identified on drawing 2-13369\_FIG. 5.1 dated 2014 contained within the Mudgee Waste Facility Groundwater Investigation Report. dated 06/2014.

<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 CaCO3		mg/L		713	2	1	713	713	713
Aluminium		mg/L		0.05	2	1	0.05	0.05	0.05
Ammonia as N		mg/L		0.32	2	1	0.32	0.32	0.32
Arsenic		mg/L		0.001	2	1	0.001	0.001	0.001
Barium		mg/L		1.66	2	1	1.66	1.66	1.66
Biochemical Oxygen Demand		mg/L		<2	2	1	1	1	1
Calcium		mg/L		1	2	1	1	1	1
Chloride		mg/L		1	2	1	1	1	1
Cobalt		mg/L		0.001	2	1	0.001	0.001	0.001
Conductivity (Non Compensated)		µS/cm		6050	2	1	6050	6050	6050
Copper		mg/L		0.001	2	1	0.001	0.001	0.001
Fluoride		mg/L		0.6	2	1	0.6	0.6	0.6
Iron		mg/L		2.85	2	1	2.85	2.85	2.85
Lead		mg/L		<0.001	2	1	0.0009	0.0009	0.0009
Magnesium		mg/L		201	2	1	201	201	201
Manganese		mg/L		1.94	2	1	1.94	1.94	1.94
Nitrate as N		mg/L		0.001	2	1	0.001	0.001	0.001
pH		pH		7	2	1	7	7	7
Phosphorus as P (total)		mg/L		0.08	2	1	0.08	0.08	0.08
Potassium		mg/L		5	2	1	5	5	5
Sodium		mg/L		832	2	1	832	832	832
Standing Water Level		As Approp.		NA	2	1	0	0	0
Sulfate as SO4 - Turbidimetric		mg/L		22	2	1	22	22	22
Total Dissolved Solids @180°C		mg/L		3620	2	1	3620	3620	3620
Total Organic Carbon		mg/L		4	2	1	4	4	4
Total Petroleum Hydrocarbons		mg/L		0.049	2	1	0.049	0.049	0.049
Total Phenolics		mg/L		<0.05	2	1	0.04	0.04	0.04
Zinc		mg/L		0.007	2	1	0.007	0.007	0.007