



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 12.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9806" 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 CaCO ₃		mg/L		760		2	1	760	760	760
Aluminium		mg/L		0.09		2	1	0.09	0.09	0.09
Ammonia as N		mg/L		0.91		2	1	0.91	0.91	0.91
Arsenic		mg/L		<0.001		2	1	0.0009	0.0009	0.0009
Barium		mg/L		1.7		2	1	1.7	1.7	1.7
Biochemical Oxygen Demand		mg/L		<2		2	1	1	1	1
Calcium		mg/L		443		2	1	443	443	443
Chloride		mg/L		2870		2	1	2870	2870	2870
Cobalt		mg/L		0.005		2	1	0.005	0.005	0.005
Conductivity (Non Compensated)		µS/cm		8900		2	1	8900	8900	8900
Copper		mg/L		0.001		2	1	0.001	0.001	0.001
Fluoride		mg/L		0.1		2	1	0.1	0.1	0.1
Iron		mg/L		0.33		2	1	0.33	0.33	0.33
Lead		mg/L		0.001		2	1	0.001	0.001	0.001
Magnesium		mg/L		358		2	1	358	358	358
Manganese		mg/L		2.78		2	1	2.78	2.78	2.78
Nitrate as N		mg/L		0.01		2	1	0.01	0.01	0.01
pH		pH		6.6		2	1	6.6	6.6	6.6
Phosphorus as P (total)		mg/L		0.07		2	1	0.07	0.07	0.07
Potassium		mg/L		0.07		2	1	0.07	0.07	0.07
Sodium		mg/L		920		2	1	920	920	920
Standing Water Level		As Approp.		NA		2	1	0	0	0
Sulfate as SO ₄ - Turbidimetric		mg/L		65		2	1	65	65	65
Total Dissolved Solids @180°C		mg/L		6360		2	1	6360	6360	6360
Total Organic Carbon		mg/L		23		2	1	23	23	23
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		0.005		2	1	0.005	0.005	0.005