



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 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	
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		978		2	1	978.000	978.000	978.000
Aluminium		mg/L		0.08		2	1	0.080	0.080	0.080
Ammonia as N		mg/L		0.46		2	1	0.460	0.460	0.460
Arsenic		mg/L		0.006		2	1	0.006	0.006	0.006
Barium		mg/L		0.337		2	1	0.337	0.337	0.337
Biochemical Oxygen Demand		mg/L		<2		2	1	1.000	1.000	1.000
Calcium		mg/L		376		2	1	376.000	376.000	376.000
Chloride		mg/L		3540		2	1	3540.000	3540.000	3540.000
Cobalt		mg/L		0.006		2	1	0.006	0.006	0.006
Conductivity (Non Compensated)		µS/cm		11500		2	1	11500.000	11500.000	11500.000
Copper		mg/L		0.013		2	1	0.013	0.013	0.013
Fluoride		mg/L		0.4		2	1	0.400	0.400	0.400
Iron		mg/L		4.9		2	1	4.900	4.900	4.900
Lead		mg/L		0.002		2	1	0.002	0.002	0.002
Magnesium		mg/L		423		2	1	423.000	423.000	423.000
Manganese		mg/L		2.7		2	1	2.700	2.700	2.700
Nitrate as N		mg/L		<0.01		2	1	0.009	0.009	0.009
pH		pH		6.9		2	1	6.900	6.900	6.900
Phosphorus as P (total)		mg/L		0.74		2	1	0.740	0.740	0.740
Potassium		mg/L		7		2	1	7.000	7.000	7.000
Sodium		mg/L		1440		2	1	1440.000	1440.000	1440.000
Standing Water Level		As Approp.		NA		2	1	0.000	0.000	0.000
Sulfate as SO4 - Turbidimetric		mg/L		315		2	1	315.000	315.000	315.000
Total Dissolved Solids @180°C		mg/L		7800		2	1	7800.000	7800.000	7800.000
Total Organic Carbon		mg/L		62		2	1	62.000	62.000	62.000
Total Petroleum Hydrocarbons		mg/L		0.06		2	1	0.060	0.060	0.060
Total Phenolics		mg/L		<0.05		2	1	0.040	0.040	0.040
Zinc		mg/L		0.018		2	1	0.018	0.018	0.018