



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 3.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9802A" 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:	21/12/2023	
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		368		2	1	368	368	368
Aluminium		mg/L		0.27		2	1	0.27	0.27	0.27
Ammonia as N		mg/L		0.62		2	1	0.62	0.62	0.62
Arsenic		mg/L		<0.001		2	1	0.0009	0.0009	0.0009
Barium		mg/L		0.123		2	1	0.123	0.123	0.123
Biochemical Oxygen Demand		mg/L		<2		2	1	1	1	1
Calcium		mg/L		54		2	1	54	54	54
Chloride		mg/L		50		2	1	50	50	50
Cobalt		mg/L		<0.001		2	1	0.0009	0.0009	0.0009
Conductivity (Non Compensated)		µS/cm		895		2	1	895	895	895
Copper		mg/L		0.006		2	1	0.006	0.006	0.006
Fluoride		mg/L		0.1		2	1	0.1	0.1	0.1
Iron		mg/L		10.2		2	1	10.2	10.2	10.2
Lead		mg/L		0.004		2	1	0.004	0.004	0.004
Magnesium		mg/L		8		2	1	8	8	8
Manganese		mg/L		0.128		2	1	0.128	0.128	0.128
Nitrate as N		mg/L		0.001		2	1	0.001	0.001	0.001
pH		pH		7.2		2	1	7.2	7.2	7.2
Phosphorus as P (total)		mg/L		0.54		2	1	0.54	0.54	0.54
Potassium		mg/L		25		2	1	25	25	25
Sodium		mg/L		123		2	1	123	123	123
Standing Water Level		As Approp.		NA		2	1	0	0	0
Sulfate as SO ₄ - Turbidimetric		mg/L		2		2	1	2	2	2
Total Dissolved Solids @180°C		mg/L		530		2	1	530	530	530
Total Organic Carbon		mg/L		15		2	1	15	15	15
Total Petroleum Hydrocarbons		mg/L		0.049		2	1	0.049	0.049	0.049
Total Phenolics		mg/L		<0.5		2	1	0.4	0.4	0.4
Zinc		mg/L		0.001		2	1	0.001	0.001	0.001