

# Environmental Monitoring

Reporting Period: 01 October 2021 - 30 September 2022



Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

EPA Licence: **6348**

Monitoring Point: **EPA 4**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9802B" 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:	29/12/2021
WorkOrder:	ME2102140003
Sampler:	ALS
Results Received:	10/01/2022
Published:	18/01/2022

Pollutant	Limit 100 percentile	Unit of measure	Comments		No. of samples collected	Samples Required by EPA	Lowest Sample Value	Mean of Sample	Highest Sample Value
pH		pH		7.4	1	2	7.4	7.4	7.4
Conductivity (Non Compensated)		µS/cm		1940	1	2	1940	1940	1940
Total Dissolved Solids @180°C		mg/L		1060	1	2	1060	1060	1060
Alkalinity as CaCO3		mg/L		426	1	2	426	426	426
Sulfate as SO4 - Turbidimetric		mg/L		<1	0	2	0.5	0.5	0.5
Chloride		mg/L		327	1	2	327	327	327
Calcium		mg/L		20	1	2	20	20	20
Magnesium		mg/L		14	1	2	14	14	14
Potassium		mg/L		9	1	2	9	9	9
Sodium		mg/L		399	1	2	399	399	399
Aluminium		mg/L		1.92	1	2	1.92	1.92	1.92
Arsenic		mg/L		0.003	1	2	0.003	0.003	0.003
Barium		mg/L		0.067	1	2	0.067	0.067	0.067
Cobalt		mg/L		0.003	1	2	0.003	0.003	0.003
Copper		mg/L		0.01	1	2	0.01	0.01	0.01
Iron		mg/L		7.44	1	2	7.44	7.44	7.44
Lead		mg/L		0.01	1	2	0.01	0.01	0.01
Manganese		mg/L		1.05	1	2	1.05	1.05	1.05
Zinc		mg/L		0.122	1	2	0.122	0.122	0.122
Fluoride		mg/L		0.6	1	2	0.6	0.6	0.6
Ammonia as N		mg/L		1.46	1	2	1.46	1.46	1.46
Nitrate as N		mg/L		<0.01	0	2	0.05	0.05	0.05
Phosphorus as P (total)		mg/L		1.07	1	2	1.07	1.07	1.07
Standing Water Level		As Approp.		4.39	1		4.39	4.39	4.39
Total Organic Carbon		mg/L		22	1	2	22	22	22
Biochemical Oxygen Demand		mg/L		3	1	2	3	3	3
Total Phenols		mg/L		<0.05	0	2	0.001	0.001	0.001
Total Petroleum Hydrocarbons		mg/L		0.025	1	2	0.025	0.025	0.025