

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 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:	29/12/2021
Work Order:	ME2102140-002
Sampler:	ALS
Results Received:	10/01/2021
Published:	13/01/2022

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		7.1	1	2	7.1	7.1	7.1
Conductivity (Non Compensated)		µS/cm		958	1	2	958	958	958
Total Dissolved Solids @180°C		mg/L		614	1	2	614	614	614
Alkalinity as CaCO3		mg/L		410	1	2	410	410	410
Sulfate as SO4 - Turbidimetric		mg/L		<10	1	2	5	5	5
Chloride		mg/L		44	1	2	44	44	44
Calcium		mg/L		43	1	2	43	43	43
Magnesium		mg/L		7	1	2	7	7	7
Potassium		mg/L		33	1	2	33	33	33
Sodium		mg/L		149	1	2	149	149	149
Aluminium		mg/L		0.4	1	2	0.4	0.4	0.4
Arsenic		mg/L		0.001	1	2	0.001	0.001	0.001
Barium		mg/L		0.177	1	2	0.177	0.177	0.177
Cobalt		mg/L		<0.001	1	2	0.005	0.005	0.005
Copper		mg/L		0.008	1	2	0.008	0.008	0.008
Iron		mg/L		11.6	1	2	11.6	11.6	11.6
Lead		mg/L		0.006	1	2	0.006	0.006	0.006
Manganese		mg/L		0.121	1	2	0.121	0.121	0.121
Zinc		mg/L		0.062	1	2	0.062	0.062	0.062
Fluoride		mg/L		0.1	1	2	0.1	0.1	0.1
Ammonia as N		mg/L		0.61	1	2	0.61	0.61	0.61
Nitrate as N		mg/L		<0.01	1	2	0.05	0.05	0.05
Phosphorus as P (total)		mg/L		0.69	1	2	0.69	0.69	0.69
Standing Water Level		As Approp.		4.56			4.56	4.56	4.56
Total Organic Carbon		mg/L		24	1	2	24	24	24
Biochemical Oxygen Demand		mg/L		6	1	2	6	6	6
Total Phenols		mg/L		<0.05	1	2	0.001	0.001	0.001
Total Petroleum Hydrocarbons		mg/L		0.15	1	2	0.15	0.15	0.15