

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 8.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9804A" as identified on drawing O8A_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:	ME2102140007
Sampler:	ALS
Results Received:	10/01/2022
Report Published:	18/01/2022

Pollutant	Limit 100 percentile	Units	Comments		No. of samples taken	Samples required by EPA	Minimum	Average	Maximum
pH		pH		6.8	1	2	6.8	6.8	6.8
Conductivity (Non Compensated)		µS/cm		4090	1	2	4090	4090	4090
Total Dissolved Solids @180°C		mg/L		3030	1	2	3030	3030	3030
Alkalinity as CaCO3		mg/L		490	1	2	490	490	490
Sulfate as SO4 - Turbidimetric		mg/L		104	1	2	104	104	104
Chloride		mg/L		1020	1	2	1020	1020	1020
Calcium		mg/L		293	1	2	293	293	293
Magnesium		mg/L		139	1	2	139	139	139
Potassium		mg/L		8	1	2	8	8	8
Sodium		mg/L		321	1	2	321	321	321
Aluminium		mg/L		0.28	1	2	0.28	0.28	0.28
Arsenic		mg/L		<0.001	1	2	0.005	0.005	0.005
Barium		mg/L		0.082	1	2	0.082	0.082	0.082
Cobalt		mg/L		<0.001	1	2	0.005	0.005	0.005
Copper		mg/L		0.004	1	2	0.004	0.004	0.004
Iron		mg/L		0.93	1	2	0.93	0.93	0.93
Lead		mg/L		0.027	1	2	0.027	0.027	0.027
Manganese		mg/L		0.119	1	2	0.119	0.119	0.119
Zinc		mg/L		0.024	1	2	0.024	0.024	0.024
Fluoride		mg/L		0.3	1	2	0.3	0.3	0.3
Ammonia as N		mg/L		1.17	1	2	1.17	1.17	1.17
Nitrate as N		mg/L		0.49	1	2	0.49	0.49	0.49
Phosphorus as P (total)		mg/L		0.2	1	2	0.2	0.2	0.2
Standing Water Level		As Appropriate		12.96	1		12.96	12.96	12.96
Total Organic Carbon		mg/L		19	1	2	19	19	19
Biochemical Oxygen Demand		mg/L		7	1	2	7	7	7
Total Phenols		mg/L		<0.05	1	2	0.001	0.001	0.001
Total Petroleum Hydrocarbons		mg/L		0.025	1	2	0.025	0.025	0.025