

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 7.**
Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9803A" 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:	ME2102140006	
Sampler:	ALS	
Results Received:	10/01/2022	
Report Published:	31/01/2022	

Pollutant	Limit 100 percentile	Units	Comments	First samples since 2019	No. of samples taken	Samples required by EPA	Minimum	Average	Maximum
pH		pH		6.9	1	2	6.9	6.9	6.9
Conductivity (Non Compensated)		µS/cm		6030	1	2	6030	6030	6030
Total Dissolved Solids @180°C		mg/L		4340	1	2	4340	4340	4340
Alkalinity as CaCO3		mg/L		1120	1	2	1120	1120	1120
Sulfate as SO4 - Turbidimetric		mg/L		13	1	2	13	13	13
Chloride		mg/L		1480	1	2	1480	1480	1480
Calcium		mg/L		304	1	2	304	304	304
Magnesium		mg/L		315	1	2	315	315	315
Potassium		mg/L		11	1	2	11	11	11
Sodium		mg/L		457	1	2	457	457	457
Aluminium		mg/L		4.13	1	2	4.13	4.13	4.13
Arsenic		mg/L		0.047	1	2	0.047	0.047	0.047
Barium		mg/L		0.808	1	2	0.808	0.808	0.808
Cobalt		mg/L		0.032	1	2	0.032	0.032	0.032
Copper		mg/L		0.033	1	2	0.033	0.033	0.033
Iron		mg/L		26.7	1	2	26.7	26.7	26.7
Lead		mg/L		0.019	1	2	0.019	0.019	0.019
Manganese		mg/L		13.3	1	2	13.3	13.3	13.3
Zinc		mg/L		0.04	1	2	0.04	0.04	0.04
Fluoride		mg/L		0.2	1	2	0.2	0.2	0.2
Ammonia as N		mg/L		2.98	1	2	2.98	2.98	2.98
Nitrate as N		mg/L		<0.1	1	2	0.5	0.5	0.5
Phosphorus as P (total)		mg/L		1.26	1	2	1.26	1.26	1.26
Standing Water Level		As Appropriate		21.42	1		21.42	21.42	21.42
Total Organic Carbon		mg/L		47	1	2	47	47	47
Biochemical Oxygen Demand		mg/L		32	1	2	32	32	32
Total Phenols		mg/L		0.13	1	2	0.13	0.13	0.13
Total Petroleum Hydrocarbons		mg/L		0.55	1	2	0.55	0.55	0.55