

# 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 12.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9806" as identified on drawing 2-13369\_FIG. 5.1 dated 2014 contained within the Mudgee Waste Facility Groundwater Investigation Report, dated 06/2014

<https://apps.epa.nsw.gov.au/prpoeapp/Detail.aspx?instid=6348&id=6348&option=licence&searchrange=licence&range=POEQ%20licence&prp=no&status=issued>

Date Sampled:	29/12/2021
WorkOrder:	ME2102140009
Sampler:	ALS
Results Received:	10/01/2022
Report Published:	18/01/2022

Pollutant	Limit 100 percentile	Units	Comments		No. of samples collected	Samples Required by EPA	Lowest Sample Value	Mean of Sample	Highest Sample Value
pH		pH		6.8	1	2	6.8	6.8	6.8
Conductivity (Non Compensated)		µS/cm		8410	1	2	8410	8410	8410
Total Dissolved Solids @180°C		mg/L		6170	1	2	6170	6170	6170
Alkalinity as CaCO3		mg/L		677	1	2	677	677	677
Sulfate as SO4 - Turbidimetric		mg/L		87	1	2	87	87	87
Chloride		mg/L		2680	1	2	2680	2680	2680
Calcium		mg/L		402	1	2	402	402	402
Magnesium		mg/L		331	1	2	331	331	331
Potassium		mg/L		13	1	2	13	13	13
Sodium		mg/L		786	1	2	786	786	786
Aluminium		mg/L		3.38	1	2	3.38	3.38	3.38
Arsenic		mg/L		0.002	1	2	0.002	0.002	0.002
Barium		mg/L		1.59	1	2	1.59	1.59	1.59
Cobalt		mg/L		0.005	1	2	0.005	0.005	0.005
Copper		mg/L		0.008	1	2	0.008	0.008	0.008
Iron		mg/L		4.92	1	2	4.92	4.92	4.92
Lead		mg/L		0.004	1	2	0.004	0.004	0.004
Manganese		mg/L		2.79	1	2	2.79	2.79	2.79
Zinc		mg/L		0.015	1	2	0.015	0.015	0.015
Fluoride		mg/L		0.4	1	2	0.4	0.4	0.4
Ammonia as N		mg/L		0.73	1	2	0.73	0.73	0.73
Nitrate as N		mg/L		<0.01	1	2	0.05	0.05	0.05
Phosphorus as P (total)		mg/L		0.09	1	2	0.09	0.09	0.09
Standing Water Level		As Appropriate		1.04	1		1.04	1.04	1.04
Total Organic Carbon		mg/L		10	1	2	10	10	10
Biochemical Oxygen Demand		mg/L		<2	1	2	1	1	1
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