

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 13.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9805" 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/prpoeoapp/Detail.aspx?instid=6348&id=6348&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>

Date Sampled:	29/12/2021
WorkOrder:	ME2102140010
Sampler:	ALS
Results Received:	10/01/2022
Report Published:	13/01/2022

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		7.2	1	2	7.2	7.2	7.2
Conductivity (Non Compensated)		µS/cm		5590	1	2	5590	5590	5590
Total Dissolved Solids @180°C		mg/L		3400	1	2	3400	3400	3400
Alkalinity as CaCO ₃		mg/L		729	1	2	729	729	729
Sulfate as SO ₄ - Turbidimetric		mg/L		18	1	2	18	18	18
Chloride		mg/L		1500	1	2	1500	1500	1500
Calcium		mg/L		151	1	2	151	151	151
Magnesium		mg/L		186	1	2	186	186	186
Potassium		mg/L		4	1	2	4	4	4
Sodium		mg/L		747	1	2	747	747	747
Aluminium		mg/L		0.08	1	2	0.08	0.08	0.08
Arsenic		mg/L		0.002	1	2	0.002	0.002	0.002
Barium		mg/L		1.42	1	2	1.42	1.42	1.42
Cobalt		mg/L		0.002	1	2	0.002	0.002	0.002
Copper		mg/L		<0.001	1	2	0.0005	0.0005	0.0005
Iron		mg/L		2.77	1	2	2.77	2.77	2.77
Lead		mg/L		<0.001	1	2	0.0005	0.0005	0.0005
Manganese		mg/L		2.2	1	2	2.2	2.2	2.2
Zinc		mg/L		0.015	1	2	0.015	0.015	0.015
Fluoride		mg/L		0.5	1	2	0.5	0.5	0.5
Ammonia as N		mg/L		0.37	1	2	0.37	0.37	0.37
Nitrate as N		mg/L		<0.01	1	2	0.05	0.05	0.05
Phosphorus as P (total)		mg/L		0.05	1	2	0.05	0.05	0.05
Standing Water Level		As Appropriate		3.31	1	2	3.31	3.31	3.31
Total Organic Carbon		mg/L		4	1	2	4	4	4
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