



Environmental Monitoring

Reporting Period: **01 October 2022 - 30 September 2023**

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

EPA Licence: **6348**

Monitoring Point: **EPA 11.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9807" 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:	21/12/2022	
Work Order:	ME2202247	
Sampler:	ALS	
Results Received:	13/01/2023	
Published:	16/01/2023	

Pollutant	Limit 100 percentile	Unit of measure	Comments			No. of samples required.	No. of samples collected and analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Alkalinity as CaCO ₃		mg/L		949		2	1	949	949	949
Aluminium		mg/L		1.63		2	1	1.63	1.63	1.63
Ammonia as N		mg/L		0.05		2	1	0.05	0.05	0.05
Arsenic		mg/L		<0.01		2	1	0.009	0.009	0.009
Barium		mg/L		0.921		2	1	0.921	0.921	0.921
Biochemical Oxygen Demand		mg/L		<2		2	1	1	1	1
Calcium		mg/L		288		2	1	288	288	288
Chloride		mg/L		2700		2	1	2700	2700	2700
Cobalt		mg/L		0.003		2	1	0.003	0.003	0.003
Conductivity (Non Compensated)		µS/cm		8880		2	1	8880	8880	8880
Copper		mg/L		0.005		2	1	0.005	0.005	0.005
Fluoride		mg/L		1.2		2	1	1.2	1.2	1.2
Iron		mg/L		1.88		2	1	1.88	1.88	1.88
Lead		mg/L		0.004		2	1	0.004	0.004	0.004
Magnesium		mg/L		415		2	1	415	415	415
Manganese		mg/L		0.205		2	1	0.205	0.205	0.205
Nitrate as N		mg/L		2.28		2	1	2.28	2.28	2.28
pH		pH		6.8		2	1	6.8	6.8	6.8
Phosphorus as P (total)		mg/L		0.17		2	1	0.17	0.17	0.17
Potassium		mg/L		3		2	1	3	3	3
Sodium		mg/L		983		2	1	983	983	983
Standing Water Level		As Approp.		NA		2	1	0	0	0
Sulfate as SO ₄ - Turbidimetric		mg/L		107		2	1	107	107	107
Total Dissolved Solids @180°C		mg/L		6080		2	1	6080	6080	6080
Total Organic Carbon		mg/L		21		2	1	21	21	21
Total Petroleum Hydrocarbons		mg/L		0.049			1	0.049	0.049	0.049
Total Phenolics		mg/L		<0.05		2	1	0.04	0.04	0.04
Zinc		mg/L		0.052		2	1	0.052	0.052	0.052