

Environment Compliance: Pollution Monitoring Data

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.

Reporting Period: 01 October 2022 - 30 September 2023

<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	16/05/2023
Work Order:	ME2202247	ME2300905008
Sampler:	ALS	ALS
Results Received:	13/01/2023	29/05/2023
Published:	16/01/2023	16/06/2023

Pollutant	Limit 100 percentile	Unit of measure			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	1050	2	2	949	999.5	1050
Aluminium		mg/L	1.63	0.37	2	2	0.37	1	1.63
Ammonia as N		mg/L	0.05	0.49	2	2	0.05	0.27	0.49
Arsenic		mg/L	<0.01	<0.01	2	2	0.009	0.009	0.009
Barium		mg/L	0.921	0.679	2	2	0.679	0.8	0.921
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1	1	1
Calcium		mg/L	288	242	2	2	242	265	288
Chloride		mg/L	2700	2470	2	2	2470	2585	2700
Cobalt		mg/L	0.003	0.002	2	2	0.002	0.0025	0.003
Conductivity (Non Compensated)		µS/cm	8880	8070	2	2	8070	8475	8880
Copper		mg/L	0.005	0.003	2	2	0.003	0.004	0.005
Fluoride		mg/L	1.2	0.9	2	2	0.9	1.05	1.2
Iron		mg/L	1.88	0.92	2	2	0.92	1.4	1.88
Lead		mg/L	0.004	0.002	2	2	0.002	0.003	0.004
Magnesium		mg/L	415	323	2	2	323	369	415
Manganese		mg/L	0.205	0.199	2	2	0.199	0.202	0.205
Nitrate as N		mg/L	2.28	0.9	2	2	0.9	1.59	2.28
pH		pH	6.8	6.8	2	2	6.8	6.8	6.8
Phosphorus as P (total)		mg/L	0.17	0.19	2	2	0.17	0.18	0.19
Potassium		mg/L	3	2	2	2	2	2.5	3
Sodium		mg/L	983	818	2	2	818	900.5	983
Standing Water Level		As Approp.	NA	4.19	2	2	4.19	4.19	4.19
Sulfate as SO ₄ - Turbidimetric		mg/L	107	126	2	2	107	116.5	126
Total Dissolved Solids @180°C		mg/L	6080	5510	2	2	5510	5795	6080
Total Organic Carbon		mg/L	21	10	2	2	10	15.5	21
Total Petroleum Hydrocarbons		mg/L	0.049	0.049		2	0.049	0.049	0.049
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.04	0.04	0.04
Zinc		mg/L	0.052	0.031	2	2	0.031	0.0415	0.052