

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**

Reporting Period: 01 October 2023 - 30 September 2024

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=POE0%20licence&prp=no&status=issued>

Date sampled:	8/11/2023	15/05/2024
Work Order:	ME2302036008	ME2400813
Sampler:	ALS	ALS
Results Received:	13/11/2023	27/05/2024
Published:		12/06/2024

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	920	718	2	2	718.000	819.000	920.000
Aluminium		mg/L	0.22	0.24	2	2	0.220	0.230	0.240
Ammonia as N		mg/L	0.81	0.08	2	2	0.080	0.445	0.810
Arsenic		mg/L	0.001	<0.001	2	2	0.001	0.001	0.001
Barium		mg/L	0.648	0.305	2	2	0.305	0.477	0.648
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1.000	1.000	1.000
Calcium		mg/L	316	354	2	2	316.000	335.000	354.000
Chloride		mg/L	2010	1560	2	2	1560.000	1785.000	2010.000
Cobalt		mg/L	0.001	0.003	2	2	0.001	0.002	0.003
Conductivity (Non Compensated)		µS/cm	7870	6540	2	2	6540.000	7205.000	7870.000
Copper		mg/L	0.005	0.002	2	2	0.002	0.004	0.005
Fluoride		mg/L	0.8	0.4	2	2	0.400	0.600	0.800
Iron		mg/L	0.88	0.6	2	2	0.600	0.740	0.880
Lead		mg/L	<0.001	0.001	2	2	0.001	0.001	0.001
Magnesium		mg/L	368	304	2	2	304.000	336.000	368.000
Manganese		mg/L	0.202	0.144	2	2	0.144	0.173	0.202
Nitrate as N		mg/L	1.71	1.26	2	2	1.260	1.485	1.710
pH		pH	6.8	6.8	2	2	6.800	6.800	6.800
Phosphorus as P (total)		mg/L	0.21	0.07	2	2	0.070	0.140	0.210
Potassium		mg/L	3	3	2	2	3.000	3.000	3.000
Sodium		mg/L	843	629	2	2	629.000	736.000	843.000
Standing Water Level		As Approp.	4.8	5.1	2	2	4.800	4.950	5.100
Sulfate as SO ₄ - Turbidimetric		mg/L	122	123	2	2	122.000	122.500	123.000
Total Dissolved Solids @180°C		mg/L	5770	5020	2	2	5020.000	5395.000	5770.000
Total Organic Carbon		mg/L	3	5	2	2	3.000	4.000	5.000
Total Petroleum Hydrocarbons		mg/L	0.049	0.12	2	2	0.049	0.085	0.120
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.004	0.004	0.004
Zinc		mg/L	0.026	0.006	2	2	0.006	0.016	0.026