

Environment Compliance: Pollution Monitoring Data

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.

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	ME2300905009
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 CaCO3		mg/L	760	684	2	2	684.000	722.000	760.000
Aluminium		mg/L	0.09	0.58	2	2	0.090	0.335	0.580
Ammonia as N		mg/L	0.91	0.7	2	2	0.700	0.805	0.910
Arsenic		mg/L	<0.001	0.002	2	2	0.001	0.001	0.002
Barium		mg/L	1.7	0.951	2	2	0.951	1.326	1.700
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1.000	1.000	1.000
Calcium		mg/L	443	212	2	2	212.000	327.500	443.000
Chloride		mg/L	2870	1570	2	2	1570.000	2220.000	2870.000
Cobalt		mg/L	0.005	0.004	2	2	0.004	0.005	0.005
Conductivity (Non Compensated)		µS/cm	8900	5670	2	2	5670.000	7285.000	8900.000
Copper		mg/L	0.001	0.008	2	2	0.001	0.005	0.008
Fluoride		mg/L	0.1	0.5	2	2	0.100	0.300	0.500
Iron		mg/L	0.33	2.36	2	2	0.330	1.345	2.360
Lead		mg/L	0.001	0.005	2	2	0.001	0.003	0.005
Magnesium		mg/L	358	212	2	2	212.000	285.000	358.000
Manganese		mg/L	2.78	1.75	2	2	1.750	2.265	2.780
Nitrate as N		mg/L	0.01	0.03	2	2	0.010	0.020	0.030
pH		pH	6.6	6.8	2	2	6.600	6.700	6.800
Phosphorus as P (total)		mg/L	0.07	0.11	2	2	0.070	0.090	0.110
Potassium		mg/L	0.07	8	2	2	0.070	4.035	8.000
Sodium		mg/L	920	586	2	2	586.000	753.000	920.000
Standing Water Level		As Approp.	NA	1.92	2	2	1.920	1.920	1.920
Sulfate as SO4 - Turbidimetric		mg/L	65	82	2	2	65.000	73.500	82.000
Total Dissolved Solids @180°C		mg/L	6360	3710	2	2	3710.000	5035.000	6360.000
Total Organic Carbon		mg/L	23	11	2	2	11.000	17.000	23.000
Total Petroleum Hydrocarbons		mg/L	0.049	0.049	2	2	0.049	0.049	0.049
Total Phenolics		mg/L	<0.05	<0.05	2	2	0.040	0.040	0.040
Zinc		mg/L	0.005	0.014	2	2	0.005	0.010	0.014