

Environment Compliance: Pollution Monitoring Data

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

Reporting Period: 01 October 2022 - 30 September 2023

EPA Licence: **6348**

Monitoring Point: **EPA 7.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9803A" as identified on drawing 08A_EV03 dated 2012 contained within the Mudgee Waste Facility Pollution Incident Response Management Plan, dated 08/2012

<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	ME2300905006
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	1090	1140	2	2	1090	1115	1140
Aluminium		mg/L	0.26	0.43	2	2	0.26	0.345	0.43
Ammonia as N		mg/L	3.34	4.28	2	2	3.34	3.81	4.28
Arsenic		mg/L	0.015	0.015	2	2	0.015	0.015	0.015
Barium		mg/L	0.414	0.346	2	2	0.346	0.38	0.414
Biochemical Oxygen Demand		mg/L	4	5	2	2	4	4.5	5
Calcium		mg/L	315	242	2	2	242	278.5	315
Chloride		mg/L	1460	1380	2	2	1380	1420	1460
Cobalt		mg/L	0.006	0.005	2	2	0.005	0.0055	0.006
Conductivity (Non Compensated)		µS/cm	6280	5610	2	2	5610	5945	6280
Copper		mg/L	0.004	0.004	2	2	0.004	0.004	0.004
Fluoride		mg/L	0.2	0.2	2	2	0.2	0.2	0.2
Iron		mg/L	24.3	27.5	2	2	24.3	25.9	27.5
Lead		mg/L	0.002	0.004	2	2	0.002	0.003	0.004
Magnesium		mg/L	318	251	2	2	251	284.5	318
Manganese		mg/L	3.77	4.32	2	2	3.77	4.045	4.32
Nitrate as N		mg/L	0.15	0.26	2	2	0.15	0.205	0.26
pH		pH	6.8	6.8	2	2	6.8	6.8	6.8
Phosphorus as P (total)		mg/L	0.26	0.29	2	2	0.26	0.275	0.29
Potassium		mg/L	11	8	2	2	8	9.5	11
Sodium		mg/L	494	448	2	2	448	471	494
Standing Water Level		As Approp.	NA	18.4	2	2	0	0	0
Sulfate as SO4 - Turbidimetric		mg/L	5	42	2	2	5	23.5	42
Total Dissolved Solids @180°C		mg/L	4200	3580	2	2	3580	3890	4200
Total Organic Carbon		mg/L	29	14	2	2	14	21.5	29
Total Petroleum Hydrocarbons		mg/L	0.049	0.049	2	2	0.049	0.049	0.049
Total Phenolics		mg/L	<0.5	<0.5	2	2	0.4	0.4	0.4
Zinc		mg/L	0.029	0.032	2	2	0.029	0.0305	0.032