

Environment Compliance: Pollution Monitoring Data

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

EPA Licence: **6348**

Reporting Period: 01 October 2022 - 30 September 2023

Monitoring Point: **EPA 3.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9802A" 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:	21/12/2023	16/05/2023
Work Order:	ME2202247	ME2300905002
Sampler:	ALS	ALS
Results Received:	13/01/2023	29/05/2023
Published:	16/01/2023	15/06/2023

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	368	316	2	2	316	342	368
Aluminium		mg/L	0.27	0.31	2	2	0.27	0.29	0.31
Ammonia as N		mg/L	0.62	1.1	2	2	0.62	0.86	1.1
Arsenic		mg/L	<0.001	0.001	2	2	0.0009	0.00095	0.001
Barium		mg/L	0.123	0.101	2	2	0.101	0.112	0.123
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1	1	1
Calcium		mg/L	54	38	2	2	38	46	54
Chloride		mg/L	50	33	2	2	33	41.5	50
Cobalt		mg/L	<0.001	0.001	2	2	0.0009	0.00095	0.001
Conductivity (Non Compensated)		µS/cm	895	656	2	2	656	775.5	895
Copper		mg/L	0.006	0.009	2	2	0.006	0.0075	0.009
Fluoride		mg/L	0.1	0.1	2	2	0.1	0.1	0.1
Iron		mg/L	10.2	10.4	2	2	10.2	10.3	10.4
Lead		mg/L	0.004	0.008	2	2	0.004	0.006	0.008
Magnesium		mg/L	8	5	2	2	5	6.5	8
Manganese		mg/L	0.128	0.096	2	2	0.096	0.112	0.128
Nitrate as N		mg/L	0.001	0.05	2	2	0.001	0.0255	0.05
pH		pH	7.2	7	2	2	7	7.1	7.2
Phosphorus as P (total)		mg/L	0.54	0.39	2	2	0.39	0.465	0.54
Potassium		mg/L	25	16	2	2	16	20.5	25
Sodium		mg/L	123	76	2	2	76	99.5	123
Standing Water Level		As Approp.	NA	4.49	2	2	0	0	0
Sulfate as SO4 - Turbidimetric		mg/L	2	3	2	2	2	2.5	3
Total Dissolved Solids @180°C		mg/L	530	428	2	2	428	479	530
Total Organic Carbon		mg/L	15	26	2	2	15	20.5	26
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	0.001	0.083	2	2	0.001	0.042	0.083