



Environmental Monitoring

Reporting Period: **01 October 2022 - 30 September 2023**

Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

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	
Work Order:	ME2202247	
Sampler:	ALS	
Results Received:	13/01/2023	
Published:	16/01/2023	

Pollutant	Limit 100 percentile	Unit of measure	Comments			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		1090		2	1	1090	1090	1090
Aluminium		mg/L		0.26		2	1	0.26	0.26	0.26
Ammonia as N		mg/L		3.34		2	1	3.34	3.34	3.34
Arsenic		mg/L		0.015		2	1	0.015	0.015	0.015
Barium		mg/L		0.414		2	1	0.414	0.414	0.414
Biochemical Oxygen Demand		mg/L		4		2	1	4	4	4
Calcium		mg/L		315		2	1	315	315	315
Chloride		mg/L		1460		2	1	1460	1460	1460
Cobalt		mg/L		0.006		2	1	0.006	0.006	0.006
Conductivity (Non Compensated)		µS/cm		6280		2	1	6280	6280	6280
Copper		mg/L		0.004		2	1	0.004	0.004	0.004
Fluoride		mg/L		0.2		2	1	0.2	0.2	0.2
Iron		mg/L		24.3		2	1	24.3	24.3	24.3
Lead		mg/L		0.002		2	1	0.002	0.002	0.002
Magnesium		mg/L		318		2	1	318	318	318
Manganese		mg/L		3.77		2	1	3.77	3.77	3.77
Nitrate as N		mg/L		0.15		2	1	0.15	0.15	0.15
pH		pH		6.8		2	1	6.8	6.8	6.8
Phosphorus as P (total)		mg/L		0.26		2	1	0.26	0.26	0.26
Potassium		mg/L		11		2	1	11	11	11
Sodium		mg/L		494		2	1	494	494	494
Standing Water Level		As Approp.		NA		2	1	0	0	0
Sulfate as SO ₄ - Turbidimetric		mg/L		5		2	1	5	5	5
Total Dissolved Solids @180°C		mg/L		4200		2	1	4200	4200	4200
Total Organic Carbon		mg/L		29		2	1	29	29	29
Total Petroleum Hydrocarbons		mg/L		0.049		2	1	0.049	0.049	0.049
Total Phenolics		mg/L		<0.5		2	1	0.4	0.4	0.4
Zinc		mg/L		0.029		2	1	0.029	0.029	0.029