

# Environmental Monitoring

Reporting Period: **01 October 2021 - 30 September 2022**



Mid-Western Regional Council - Mudgee Waste Facility

31 Blain Road, Caerleon, NSW, 2850

EPA Licence: **6348**

Monitoring Point: **EPA 5.**

Monitoring Frequency: **Special Frequency 1**

Groundwater quality monitoring, Groundwater Monitoring Bore "9801A" 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:	29/12/2021
WorkOrder:	ME2102140004
Sampler:	ALS
Results Received:	10/01/2022
Published:	18/01/2022

Pollutant	Limit 100 percentile	Units	Comments:		No. of samples collected	Samples Required by EPA	Lowest Sample Value	Mean of Sample	Highest Sample Value
pH		pH		7.2	1	2	7.2	7.2	7.2
Conductivity (Non Compensated)		µS/cm		7100	1	2	7100	7100	7100
Total Dissolved Solids @180°C		mg/L		4320	1	2	4320	4320	4320
Alkalinity as CaCO3		mg/L		1070	1	2	1070	1070	1070
Sulfate as SO4 - Turbidimetric		mg/L		561	1	2	561	561	561
Chloride		mg/L		1590	1	2	1590	1590	1590
Calcium		mg/L		122	1	2	122	122	122
Magnesium		mg/L		260	1	2	260	260	260
Potassium		mg/L		5	1	2	5	5	5
Sodium		mg/L		1070	1	2	1070	1070	1070
Aluminium		mg/L		0.12	1	2	0.12	0.12	0.12
Arsenic		mg/L		0.012	1	2	0.012	0.012	0.012
Barium		mg/L		0.15	1	2	0.15	0.15	0.15
Cobalt		mg/L		0.006	1	2	0.006	0.006	0.006
Copper		mg/L		0.003	1	2	0.003	0.003	0.003
Iron		mg/L		5.94	1	2	5.94	5.94	5.94
Lead		mg/L		0.001	1	2	0.001	0.001	0.001
Manganese		mg/L		2.25	1	2	2.25	2.25	2.25
Zinc		mg/L		0.014	1	2	0.014	0.014	0.014
Fluoride		mg/L		0.4	1	2	0.4	0.4	0.4
Ammonia as N		mg/L		1.7	1	2	1.7	1.7	1.7
Nitrate as N		mg/L		0.2	1	2	0.2	0.2	0.2
Phosphorus as P (total)		mg/L		0.65	1	2	0.65	0.65	0.65
Standing Water Level		As Appropriate		2.1	1		2.1	2.1	2.1
Total Organic Carbon		mg/L		41	1	2	41	41	41
Biochemical Oxygen Demand		mg/L		<2	1	2	1	1	1
Total Phenols		mg/L		<0.05	0	2	0.001	0.001	0.001
Total Petroleum Hydrocarbons		mg/L		0.19	1	2	0.19	0.19	0.19