

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 2023 - 30 September 2024

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: | 13/12/2023 | 15/05/2024 |
| Work Order: | ME2302264 | ME2400813 |
| Sampler: | ALS | ALS |
| Results Received: | 21/12/2023 | 27/05/2024 |
| Published: | 22/12/2023 | 12/06/2024 |

| 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 | 886 | 843 | 2 | 2 | 843.000 | 864.500 | 886.000 |
| Aluminium | | mg/L | 0.09 | 0.27 | 2 | 2 | 0.090 | 0.180 | 0.270 |
| Ammonia as N | | mg/L | 0.7 | 0.59 | 2 | 2 | 0.590 | 0.645 | 0.700 |
| Arsenic | | mg/L | 0.002 | 0.002 | 2 | 2 | 0.002 | 0.002 | 0.002 |
| Barium | | mg/L | 0.118 | 0.154 | 2 | 2 | 0.118 | 0.136 | 0.154 |
| Biochemical Oxygen Demand | | mg/L | <2 | 8 | 2 | 2 | 1.000 | 4.500 | 8.000 |
| Calcium | | mg/L | 74 | 105 | 2 | 2 | 74.000 | 89.500 | 105.000 |
| Chloride | | mg/L | 321 | 445 | 2 | 2 | 321.000 | 383.000 | 445.000 |
| Cobalt | | mg/L | <0.001 | 0.001 | 2 | 2 | 0.001 | 0.001 | 0.001 |
| Conductivity (Non Compensated) | | µS/cm | 2440 | 2910 | 2 | 2 | 2440.000 | 2675.000 | 2910.000 |
| Copper | | mg/L | 0.002 | 0.007 | 2 | 2 | 0.002 | 0.005 | 0.007 |
| Fluoride | | mg/L | 0.3 | 0.3 | 2 | 2 | 0.300 | 0.300 | 0.300 |
| Iron | | mg/L | 7.17 | 8.15 | 2 | 2 | 7.170 | 7.660 | 8.150 |
| Lead | | mg/L | 0.002 | 0.01 | 2 | 2 | 0.002 | 0.006 | 0.010 |
| Magnesium | | mg/L | 77 | 84 | 2 | 2 | 77.000 | 80.500 | 84.000 |
| Manganese | | mg/L | 0.205 | 0.267 | 2 | 2 | 0.205 | 0.236 | 0.267 |
| Nitrate as N | | mg/L | 0.02 | 0.03 | 2 | 2 | 0.020 | 0.025 | 0.030 |
| pH | | pH | 7.1 | 7.1 | 2 | 2 | 7.100 | 7.100 | 7.100 |
| Phosphorus as P (total) | | mg/L | 0.3 | 0.29 | 2 | 2 | 0.290 | 0.295 | 0.300 |
| Potassium | | mg/L | 7 | 8 | 2 | 2 | 7.000 | 7.500 | 8.000 |
| Sodium | | mg/L | 356 | 443 | 2 | 2 | 356.000 | 399.500 | 443.000 |
| Standing Water Level | | As Approp. | 2.03 | 5.69 | 2 | 1 | 2.030 | 3.860 | 5.690 |
| Sulfate as SO4 - Turbidimetric | | mg/L | 15 | 39 | 2 | 2 | 15.000 | 27.000 | 39.000 |
| Total Dissolved Solids @180°C | | mg/L | 1380 | 1700 | 2 | 2 | 1380.000 | 1540.000 | 1700.000 |
| Total Organic Carbon | | mg/L | 11 | 25 | 2 | 2 | 11.000 | 18.000 | 25.000 |
| Total Petroleum Hydrocarbons | | mg/L | 0.049 | 0.14 | 2 | 2 | 0.049 | 0.095 | 0.140 |
| Total Phenolics | | mg/L | <0.5 | <0.5 | 2 | 2 | 0.400 | 0.400 | 0.400 |
| Zinc | | mg/L | 0.03 | 0.155 | 2 | 2 | 0.030 | 0.093 | 0.155 |