

Environment Compliance: Pollution Monitoring Data

Mid-Western Regional Council - Mudgee Waste Facility
 31 Blain Road, Caerleon, NSW, 2850

EPA Licence: 6348

Monitoring Point EPA 1.

Monitoring Frequency Monthly during discharge

Discharge to waters Discharge quality monitoring, Surface Water Discharge and Monitoring Point "Existing Stormwater Retention Basin" as identified on drawing 08A_EV03 dated 2012 contained within the Mudgee Waste Facility Pollution Incident Response Management Plan, dated 08/2012

Reporting Period: 01 October 2023 - 30 September 2024

<https://apps.epa.nsw.gov.au/prpoeapp/Detail.aspx?instid=6348&option=licence&searchrange=licence&range=POE%20licence&pre-no&status=issued>

| | | 11/10/2023 | 8/11/2023 | 13/12/2023 | 15/01/2024 | 8/02/2024 | 13/02/2024 | 12/03/2024 | 13/03/2024 | 8/04/2024 | 17/04/2024 | 7/05/2024 | 16/05/2024 | 12/06/2024 | 4/07/2024 | 10/07/2024 | 5/08/2024 | 7/08/2024 | 11/09/2024 | | | | | | |
|--------------------------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-----------------|-----------------|-------------|-----------------|-----------------|-------------|-----------------|-----------------|-------------|-----------------|-------------|-----------------|-----------------|-------------------------|---------------------------------------|---------------------|----------------|----------------------|
| Date sampled: | | 11/10/2023 | 8/11/2023 | 13/12/2023 | 15/01/2024 | 8/02/2024 | 13/02/2024 | 12/03/2024 | 13/03/2024 | 8/04/2024 | 17/04/2024 | 7/05/2024 | 16/05/2024 | 12/06/2024 | 4/07/2024 | 10/07/2024 | 5/08/2024 | 7/08/2024 | 11/09/2024 | | | | | | |
| WorkOrder: | | ME2301864 | ME2302036 | ME2302256 | ME2400087 | ME2400257 | ME2400303 | ME2400483 | ME2400489 | ME2400617 | ME2400675 | ME2400762 | ME2400813 | ME2400963 | ME2401093 | ME2401125 | ME2401260 | ME2401278 | ME2401461 | | | | | | |
| Sampler: | | ALS | ALS | ALS | ALS | MWRC | ALS | MWRC | ALS | MWRC | ALS | MWRC | ALS | MWRC | ALS | MWRC | ALS | MWRC | ALS | | | | | | |
| Results Received: | | 18/10/2023 | | 21/12/2023 | 22/01/2024 | 15/02/2024 | 22/02/2024 | 27/03/2024 | 27/03/2024 | 15/04/2024 | 26/04/2024 | 15/05/2024 | 27/05/2024 | 19/06/2024 | 12/07/2024 | 17/07/2024 | 12/08/2024 | 14/08/2024 | 18/09/2024 | | | | | | |
| Published: | | NA | NA | NA | NA | 15/02/2024 | NA | | | | | 15/05/2024 | | | | | | | 24/09/2024 | | | | | | |
| Pollutant | Limit: 100 percentile | Unit of measure | Not Discharging | Not discharging | Not Discharging | Not Discharging | Discharging | Not Discharging | Not Discharging | Discharging | Not Discharging | Not Discharging | Discharging | Not Discharging | Not Discharging | Discharging | not discharging | discharging | Not Discharging | Not Discharging | No. of samples required | No. of samples collected and analysed | Lowest Sample Value | Mean of Sample | Highest Sample Value |
| Alkalinity as CaCO3 | | mg/L | 158 | 144 | 166 | 143 | 149 | 151 | 136 | 139 | 144 | 145 | 155 | 144 | 131 | 118 | 104 | 127 | 122 | 152 | | Monthly during discharge | 118.000 | 144.333 | 166.000 |
| Aluminium | | mg/L | 0.17 | 0.12 | 0.19 | 0.25 | 0.2 | 0.27 | 0.1 | 0.22 | 1.42 | 4.1 | 3.65 | 1.91 | 0.98 | 0.27 | 3.99 | 1.77 | 1.44 | 0.39 | | Monthly during discharge | 0.190 | 0.220 | 0.270 |
| Ammonia as N | | mg/L | 0.58 | 0.14 | 0.18 | 0.09 | 0.19 | 0.01 | 0.01 | 0.04 | 0.6 | 0.79 | 0.91 | 1.06 | 0.63 | 0.21 | 0.45 | 0.8 | 0.79 | 0.81 | | Monthly during discharge | 0.180 | 0.193 | 0.210 |
| Arsenic | | mg/L | 0.003 | 0.003 | 0.004 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.006 | 0.004 | 0.004 | 0.002 | 0.001 | 0.003 | 0.001 | 0.001 | 0.002 | | Monthly during discharge | 0.001 | 0.003 | 0.004 |
| Barium | | mg/L | 0.075 | 0.077 | 0.092 | 0.066 | 0.004 | 0.064 | 0.058 | 0.057 | 0.104 | 0.083 | 0.071 | 0.07 | 0.051 | 0.048 | 0.062 | 0.047 | 0.042 | 0.048 | | Monthly during discharge | 0.004 | 0.048 | 0.092 |
| Biochemical Oxygen Demand | | mg/L | <2 | <2 | <2 | <2 | 4 | <2 | 3 | 4 | <2 | <2 | 2 | <2 | 10 | 5 | 6 | 6 | 2 | 4 | | Monthly during discharge | 1.000 | 3.333 | 5.000 |
| Calcium | | mg/L | 47 | 42 | 40 | 27 | 35 | 32 | 36 | 36 | 55 | 36 | 37 | 40 | 36 | 38 | 34 | 41 | 41 | 35 | | Monthly during discharge | 35.000 | 37.667 | 40.000 |
| Chloride | | mg/L | 152 | 147 | 118 | 84 | 82 | 83 | 74 | 74 | 55 | 60 | 51 | 51 | 43 | 40 | 38 | 37 | 40 | 46 | | Monthly during discharge | 40.000 | 80.000 | 118.000 |
| Cobalt | | mg/L | 0.002 | 0.001 | 0.002 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.003 | 0.004 | 0.002 | 0.002 | 0.002 | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | | Monthly during discharge | 0.001 | 0.002 | 0.002 |
| Conductivity (Non Compensated) | | µS/cm | 850 | 920 | 815 | 628 | 639 | 608 | 653 | 656 | 576 | 587 | 583 | 586 | 525 | 492 | 444 | 500 | 512 | 565 | | Monthly during discharge | 492.000 | 648.667 | 815.000 |
| Copper | | mg/L | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | <0.001 | 0.004 | 0.016 | 0.004 | 0.004 | 0.002 | 0.002 | 0.006 | 0.006 | 0.004 | 0.005 | | Monthly during discharge | 0.001 | 0.002 | 0.002 |
| Fluoride | | mg/L | 0.6 | 0.6 | 1.2 | 1.5 | 1.2 | 1.6 | 1.6 | 1.6 | 0.9 | 1.7 | 1.5 | 1.5 | 1.1 | 1.2 | 1 | 1 | 0.9 | 0.9 | | Monthly during discharge | 1.200 | 1.200 | 1.200 |
| Iron | | mg/L | 0.61 | 0.19 | 0.2 | 0.16 | 0.22 | 0.19 | 0.24 | 0.31 | 1.23 | 4.31 | 3.27 | 2.06 | 1.13 | 0.23 | 4.77 | 2.03 | 1.74 | 0.39 | | Monthly during discharge | 0.200 | 0.217 | 0.230 |
| Lead | | mg/L | 0.002 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.014 | 0.008 | 0.005 | 0.004 | 0.002 | 0.001 | 0.008 | 0.003 | 0.002 | 0.002 | | Monthly during discharge | 0.001 | 0.001 | 0.001 |
| Magnesium | | mg/L | 24 | 27 | 21 | 16 | 18 | 15 | 13 | 13 | 15 | 14 | 11 | 11 | 12 | 11 | 10 | 11 | 11 | 12 | | Monthly during discharge | 11.000 | 16.667 | 21.000 |
| Manganese | | mg/L | 0.422 | 0.183 | 0.237 | 0.062 | 0.147 | 0.076 | 0.165 | 0.158 | 0.28 | 0.28 | 0.282 | 0.324 | 0.111 | 0.086 | 0.138 | 0.14 | 0.147 | 0.102 | | Monthly during discharge | 0.086 | 0.157 | 0.237 |
| Nitrate | | mg/L | 0.3 | 0.06 | 0.23 | 0.07 | 0.04 | <0.01 | <0.01 | <0.01 | 0.65 | 0.63 | 0.35 | 0.3 | 0.33 | 0.3 | 0.53 | 0.9 | 0.84 | 2.12 | | Monthly during discharge | 0.040 | 0.190 | 0.300 |
| pH | 6.5 - 8.5 | pH | 7.9 | 9.2 | 8.3 | 8.9 | 8.5 | 8.9 | 8.4 | 8.3 | 7.9 | 8 | 8.1 | 8.2 | 8.4 | 8.3 | 8.3 | 8.1 | 8.1 | 8.6 | | Monthly during discharge | 8.300 | 8.367 | 8.500 |
| Phosphorus | | mg/L | 0.14 | 0.15 | 0.09 | 0.17 | 0.11 | 0.1 | 0.02 | 0.03 | 0.35 | 0.24 | 0.6 | 0.14 | 0.1 | 0.08 | 0.17 | 0.16 | 0.12 | 0.09 | | Monthly during discharge | 0.080 | 0.093 | 0.110 |
| Potassium | | mg/L | 26 | 30 | 23 | 16 | 18 | 17 | 15 | 15 | 17 | 14 | 12 | 12 | 9 | 9 | 9 | 9 | 8 | 13 | | Monthly during discharge | 9.000 | 16.667 | 23.000 |
| Sodium | | mg/L | 78 | 92 | 83 | 71 | 76 | 78 | 76 | 70 | 71 | 62 | 62 | 56 | 50 | 47 | 46 | 46 | 62 | 62 | | Monthly during discharge | 50.000 | 69.667 | 83.000 |
| Sulfate as SO4 - Turbidimetric | | mg/L | 52 | 59 | 50 | 38 | 44 | 42 | 42 | 77 | 78 | 65 | 57 | 48 | 50 | 54 | 47 | 61 | 68 | 62 | | Monthly during discharge | 44.000 | 49.333 | 54.000 |
| Total Dissolved Solids | | mg/L | 497 | 540 | 487 | 440 | 381 | 466 | 541 | 517 | 492 | 490 | 402 | 358 | 357 | 320 | 331 | 322 | 389 | 347 | | Monthly during discharge | 320.000 | 396.000 | 487.000 |
| Total Organic Carbon | | mg/L | 19 | 21 | 18 | 14 | 14 | 14 | 15 | 15 | 12 | 12 | 12 | 11 | 10 | 10 | 11 | 11 | 11 | 14 | | Monthly during discharge | 10.000 | 14.000 | 18.000 |
| Total Petroleum Hydrocarbons | | mg/L | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | Monthly during discharge | 0.040 | 0.040 | 0.040 |
| Total Phenols | | mg/L | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | Monthly during discharge | 0.040 | 0.040 | 0.040 |
| Total Suspended Solids | 50 | mg/L | 14 | 18 | 8 | 20 | 13 | 16 | 9 | 9 | 160 | 8 | 13 | 5 | 16 | 27 | 73 | 8 | 10 | 5 | | Monthly during discharge | 8.000 | 16.000 | 27.000 |
| Zinc | | mg/L | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.011 | <0.005 | 0.054 | 0.037 | 0.015 | 0.011 | <0.005 | <0.005 | 0.02 | 0.01 | 0.007 | <0.005 | | Monthly during discharge | 0.000 | #DIV/0! | 0.000 |

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