

Concentration Monitoring Summary
Cooma Landfill 8448 Monaro Highway Cooma NSW - EPA Licence 6194

Data Last Updated on Tuesday 16 September 2021

| Monitoring Points | | Number of samples required | | Date Data was Obtained | | | | Units of Measure | | | |
|--|--|------------------------------------|---------------------------------------|------------------------|---------|---------|---------|---------------------|-----------------|----------------------|--------|
| Monitoring Location 6 | | No. of samples required by licence | No. of samples collected and analysed | 2020/2021 | | | | Lowest sample value | Mean of samples | Highest sample value | |
| (Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP | | | | 1/12/20 | 1/03/21 | 1/06/21 | 7/09/21 | | | | |
| EPA Analytes | | 4 | | | | | | | | | |
| | pH (pH) | | | * | 7.99 | 7.76 | 7.46 | 7.5 | 7.737 | 7.99 | |
| | Conductivity (uS/cm) | | | * | 1260 | 960 | 756 | 756.0 | 992.000 | 1260.00 | |
| | Alkalinity as Calcium Carbonate (mg/L) | | | * | 408 | 270 | 158 | 158.0 | 278.667 | 408.00 | |
| | Ammonia (N) (mg/L) | | | * | 0.1 | 0.1 | <0.1 | 0.1 | 0.100 | 0.10 | |
| | Nitrate (N) (mg/L) | | | * | <0.05 | 0.3 | 0.08 | 0.1 | 0.190 | 0.30 | |
| | B.O.D. (mg/L) | | | * | | 7 | 12 | 7.0 | 9.500 | 12.00 | |
| Monitoring Location 3 | | No. of samples required by licence | No. of samples collected and analysed | 2020/2021 | | | | Lowest sample value | Mean of samples | Highest sample value | |
| Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP | | | | 1/12/20 | 1/03/21 | 1/06/21 | 7/09/21 | | | | |
| EPA Analytes | | 4 | | | | | | | | | |
| | pH (pH) | | | * | 7.98 | 7.88 | 7.6 | 7.6 | 7.817 | 7.98 | |
| | Conductivity (uS/cm) | | | * | 1090 | 1280 | 1380 | 1090.0 | 1250.000 | 1380.00 | |
| | Alkalinity as Calcium Carbonate (mg/L) | | | * | 353 | 337 | 357 | 337.0 | 349.000 | 357.00 | |
| | Ammonia (N) (mg/L) | | | * | 0.1 | 0.1 | <0.1 | 0.1 | 0.100 | 0.10 | |
| | Nitrate (N) (mg/L) | | | * | 3.41 | 12.2 | 13.0 | 3.4 | 9.537 | 13.00 | |
| | B.O.D. (mg/L) | | | * | | | 23 | 4.0 | 13.500 | 23.00 | |
| Monitoring Location 4 | | No. of samples required by licence | No. of samples collected and analysed | 2020/2021 | | | | Lowest sample value | Mean of samples | Highest sample value | |
| Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP | | | | 1/12/20 | 1/03/21 | 1/06/21 | 7/09/21 | | | | |
| EPA Analytes | | 4 | | | | | | | | | |
| | pH (pH) | | | | 7.95 | 8.11 | 7.96 | 7.58 | 7.6 | 7.900 | 8.11 |
| | Conductivity (uS/cm) | | | | 591 | 644 | 935 | 546 | 546.0 | 679.000 | 935.00 |
| | Alkalinity as Calcium Carbonate (mg/L) | | | | 276 | 287 | 430 | 265 | 265.0 | 314.500 | 430.00 |
| | Ammonia (N) (mg/L) | | | | 0.1 | 0.1 | 0.1 | <0.1 | 0.1 | 0.100 | 0.10 |
| | Nitrate (N) (mg/L) | | | | 4.63 | 5.55 | 7.26 | 3.87 | 3.9 | 5.328 | 7.26 |
| | B.O.D. (mg/L) | | | | 17 | | 17 | 6 | 6.0 | 13.333 | 17.00 |
| Monitoring Location 5 | | No. of samples required by licence | No. of samples collected and analysed | 2020/2021 | | | | Lowest sample value | Mean of samples | Highest sample value | |
| Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP | | | | 1/12/20 | 1/03/21 | 1/06/21 | 7/09/21 | | | | |
| EPA Analytes | | 4 | | | | | | | | | |
| | pH (pH) | | | * | 8.14 | 8.04 | 7.60 | 7.60 | 7.927 | 8.14 | |
| | Conductivity (uS/cm) | | | * | 593 | 754 | 546 | 546.00 | 631.000 | 754.00 | |
| | Alkalinity as Calcium Carbonate (mg/L) | | | * | 268 | 331 | 270 | 268.00 | 289.667 | 331.00 | |
| | Ammonia (N) (mg/L) | | | * | 0.1 | 0.1 | <0.1 | 0.10 | 0.100 | 0.10 | |
| | Nitrate (N) (mg/L) | | | * | 4.83 | 6.52 | 4.13 | 4.13 | 5.160 | 6.52 | |
| | B.O.D. (mg/L) | | | * | | | 8 | 3.00 | 5.500 | 8.00 | |

| Monitoring Location 1 | | No. of samples required by licence | No. of samples collected and analysed | 2020/2021 | | | | Lowest sample value | Mean of samples | Highest sample value |
|---|--|------------------------------------|---------------------------------------|--------------------------|---------|---------|---------|---------------------|-----------------|----------------------|
| Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/EO3 of LEMP | | | | 1/12/20 | 1/03/21 | 1/06/21 | 7/09/21 | | | |
| EPA Analytes | | 4 | | | | | | | | |
| | pH (pH) | | | 8.01 | 8.13 | 8.09 | 7.5 | 7.50 | 7.933 | 8.13 |
| | Conductivity (uS/cm) | | | 541 | 505 | 504 | 525 | 504.00 | 518.750 | 541.00 |
| | Alkalinity as Calcium Carbonate (mg/L) | | | 225 | 218 | 276 | 223 | 218.00 | 235.500 | 276.00 |
| | Ammonia (N) (mg/L) | | | 0.1 | 0.1 | 0.1 | <0.1 | 0.10 | 0.100 | 0.10 |
| | Nitrate (N) (mg/L) | | | 4.38 | 4.11 | 4.06 | 4.1 | 4.06 | 4.168 | 4.38 |
| | B.O.D. (mg/L) | | | 55 | | 63 | 10 | 10.00 | 42.667 | 63.00 |
| Monitoring Location 2 | | No. of samples required by licence | No. of samples collected and analysed | 2020/2021 | | | | Lowest sample value | Mean of samples | Highest sample value |
| Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/EO3 of LEMP | | | | 1/12/20 | 1/03/21 | 1/06/21 | 7/09/21 | | | |
| EPA Analytes | | 4 | | | | | | | | |
| | pH (pH) | | | * | * | * | * | 0.00 | #DIV/0! | 0.00 |
| | Conductivity (uS/cm) | | | * | * | * | * | 0.00 | #DIV/0! | 0.00 |
| | Alkalinity as Calcium Carbonate (mg/L) | | | * | * | * | * | 0.00 | #DIV/0! | 0.00 |
| | Ammonia (N) (mg/L) | | | * | * | * | * | 0.00 | #DIV/0! | 0.00 |
| | Nitrate (N) (mg/L) | | | * | * | * | * | 0.00 | #DIV/0! | 0.00 |
| | B.O.D. (mg/L) | | | * | * | * | * | 0.00 | #DIV/0! | 0.00 |
| * | Indicates that the piezometer/bore hole was dry and no samples taken | | | | | | | | | |
| Monitoring of the Cooma Landfill site is required under the Licence 6194 to be carried out on a quarterly basis | | | | | | | | | | |
| Date of next quarterly samples to be taken | | | | Tuesday, 7 December 2021 | | | | | | |