

TABLE 1: BLAYNEY WASTE DISPOSAL DEPOT - RESULTS OF LABORATORY ANALYSIS  
MARCH 2026 - JUNE 2026

SURFACE WATER

|                                    |                                                     |                      |         | Sample ID   | SW1       | SW1        | SW_A      | SW_A       | SW_A       | SW_C      | SW_C       | SW_D      | SW_D       |
|------------------------------------|-----------------------------------------------------|----------------------|---------|-------------|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|
|                                    |                                                     |                      |         | Sample Date | 4/03/2026 | 11/06/2026 | 4/03/2026 | 19/05/2026 | 11/06/2026 | 4/03/2026 | 11/06/2026 | 4/03/2026 | 19/05/2026 |
| Group                              | Analyte                                             | LOR                  | Units   | Criteria    | PS        | PS         | PS        | PS         | PS         | PS        | PS         | PS        | PS         |
| Physical Parameters                | pH (Lab)                                            | 0                    | No unit | 6.5 - 8.5   | 6.8       | 7.2        | 6.7       | 7.4        | 7.4        | 6.2       | 7          | 6.3       | 7.3        |
|                                    | Electrical Conductivity (Lab)                       | 2                    | µS/cm   | 4478        | 730       | 1900       | 700       | 1600       | 1500       | 350       | 320        | 680       | 310        |
|                                    | Biochemical Oxygen Demand (BOD5)                    | 5                    | mg/L    | -           | 7         | < 5        | 6         | < 5        | < 5        | 8         | < 5        | < 5       | 5          |
|                                    | Total Suspended Solids                              | 0                    | mg/L    | 30          | 43        | 10         | 31        | < 5        | < 5        | 14        | 42         | 9         | 20         |
| Alkalinity                         | Total Alkalinity as CaCO3                           | 5                    | mg/L    | 350         | 41        | 170        | 60        | 400        | 220        | 16        | 88         | 58        | 94         |
| Anions                             | Chloride                                            | 1                    | mg/L    | 350         | 170       | 610        | 170       | 520        | 400        | 52        | 27         | 170       | 24         |
|                                    | Fluoride                                            | 0.1                  | mg/L    | 1           | 0.19      | < 0.1      | 0.2       | < 0.1      | < 0.1      | 0.14      | 0.14       | 0.17      | 0.31       |
|                                    | Sulfate (SO4)                                       | 1                    | mg/L    | 1000        | 62        | 74         | 41        | 110        | 90         | 43        | 15         | 36        | 32         |
|                                    | Calcium (Ca)                                        | 0.1                  | mg/L    | 1000        | 50        | 110        | 43        | 160        | 120        | 8.4       | 9.3        | 40        | 22         |
| Cations                            | Magnesium (Mg)                                      | 0.1                  | mg/L    | -           | 33        | 95         | 37        | 140        | 87         | 6.2       | 7.3        | 33        | 16         |
|                                    | Potassium (K)                                       | 0.2                  | mg/L    | -           | 7.8       | 7.7        | 9.9       | 8.5        | 16         | 6.5       | 5.7        | 12        | 3.2        |
|                                    | Sodium (Na)                                         | 0.1                  | mg/L    | 230         | 45        | 180        | 42        | 83         | 100        | 47        | 46         | 43        | 21         |
|                                    | Forms of Carbon                                     | Total Organic Carbon | 0.2     | mg/L        | -         | 19         | 16        | 20         | 15         | 18        | 19         | 43        | 23         |
| Nutrients                          | Ammonia (NH3) as N                                  | 0.01                 | mg/L    | -           | 0.01      | 0.54       | 0.03      | 1.1        | 0.42       | 0.81      | 0.57       | 0.02      | 0.02       |
|                                    | Nitrate (NO3) as N                                  | 0.005                | mg/L    | -           | 0.48      | 1          | 0.46      | 0.077      | 0.45       | 1.5       | 0.018      | 0.055     | 0.9        |
| Trace Metals                       | Iron (Fe)                                           | 0.005                | mg/L    | 0.2         | 0.41      | 0.23       | 0.97      | 0.089      | 0.14       | 0.96      | 9.7        | 0.67      | 0.44       |
|                                    | Manganese (Mn)                                      | 0.001                | mg/L    | 0.2         | 0.31      | 0.86       | 0.26      | 1.2        | 0.35       | 0.36      | 0.69       | 0.43      | 0.011      |
| Phenolics                          | Total Phenols                                       | 0.05                 | mg/L    | -           | < 0.05    | < 0.05     | < 0.05    | < 0.05     | < 0.05     | < 0.05    | < 0.05     | < 0.05    | < 0.05     |
| (n:2) Fluorotelomer Sulfonic Acids | 4:2 Fluorotelomer sulfonic acid (4:2 FTS)           | 0.05                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | 6:2 Fluorotelomer sulfonic acid (6:2 FTS)           | 0.05                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | 8:2 Fluorotelomer sulfonic acid (8:2 FTS)           | 0.05                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
| Perfluoroalkyl Carboxylic Acids    | Perfluorobutanoic acid (PFBA)                       | 0.1                  | µg/L    | -           | < 0.05    | < 0.05     | < 0.05    | < 0.05     | < 0.05     | < 0.05    | < 0.05     | < 0.05    | < 0.05     |
|                                    | Perfluorodecanoic acid (PFDA)                       | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorododecanoic acid (PFDoDA)                   | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluoroheptanoic acid (PFHpA)                     | 0.02                 | µg/L    | -           | < 0.01    | 0.01       | < 0.01    | 0.03       | 0.02       | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorohexanoic acid (PFHxA)                      | 0.02                 | µg/L    | -           | < 0.01    | 0.03       | 0.02      | 0.06       | 0.05       | < 0.01    | < 0.01     | 0.01      | < 0.01     |
|                                    | Perfluorononanoic acid (PFNA)                       | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorooctanoic acid (PFOA)                       | 0.01                 | µg/L    | 19          | < 0.01    | 0.01       | 0.02      | 0.07       | 0.04       | < 0.01    | < 0.01     | 0.01      | < 0.01     |
|                                    | Perfluoropentanoic acid (PFPeA)                     | 0.02                 | µg/L    | -           | < 0.01    | 0.03       | 0.02      | 0.06       | 0.06       | < 0.01    | < 0.01     | 0.02      | < 0.01     |
|                                    | Perfluorotetradecanoic acid (PFTeDA)                | 0.05                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorotridecanoic acid (PFTrDA)                  | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluoroundecanoic acid (PFUnDA)                   | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
| Perfluoroalkyl Sulfonamides        | N-Ethyl perfluorooctane sulfonamide (EtFOSA)        | 0.05                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | N-Methyl perfluorooctane sulfonamide (MeFOSA)       | 0.05                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorooctane sulfonamide (FOSA)                  | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | N-Methyl perfluorooctane sulfonamidoethanol (MeFOS) | 0.05                 | µg/L    | -           | < 0.05    | < 0.05     | < 0.05    | < 0.05     | < 0.05     | < 0.05    | < 0.05     | < 0.05    | < 0.05     |
|                                    | N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE) | 0.05                 | µg/L    | -           | < 0.05    | < 0.05     | < 0.05    | < 0.05     | < 0.05     | < 0.05    | < 0.05     | < 0.05    | < 0.05     |
|                                    | N-Methyl perfluorooctane sulfonamidoacetic acid (M) | 0.02                 | µg/L    | -           | < 0.05    | < 0.05     | < 0.05    | < 0.05     | < 0.05     | < 0.05    | < 0.05     | < 0.05    | < 0.05     |
|                                    | N-Ethyl perfluorooctane sulfonamidoacetic acid (Et) | 0.02                 | µg/L    | -           | < 0.05    | < 0.05     | < 0.05    | < 0.05     | < 0.05     | < 0.05    | < 0.05     | < 0.05    | < 0.05     |
| Perfluoroalkyl Sulfonic Acids      | Perfluorodecane sulfonic acid (PFDS)                | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluoroheptane sulfonic acid (PFHpS)              | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorohexane sulfonic acid (PFHxS)               | 0.01                 | µg/L    | -           | < 0.01    | 0.02       | 0.02      | 0.1        | 0.04       | < 0.01    | < 0.01     | 0.02      | < 0.01     |
|                                    | Perfluorooctane sulfonic acid (PFOS)                | 0.01                 | µg/L    | 0.02        | < 0.01    | < 0.01     | < 0.01    | 0.02       | 0.02       | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluoropentane sulfonic acid (PFPeS)              | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | 0.02       | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluoropropane sulfonic acid (PFPrS)              | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | 0.01       | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorobutane sulfonic acid (PFBS)                | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | 0.04       | 0.02       | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | Perfluorononane sulfonic acid (PFNS)                | 0.02                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | 1H,1H,2H,2H-Perfluorodecane sulfonic acid (10:2)    | 0.01                 | µg/L    | -           | < 0.01    | < 0.01     | < 0.01    | < 0.01     | < 0.01     | < 0.01    | < 0.01     | < 0.01    | < 0.01     |
|                                    | PFAS Sums                                           | Sum of PFOS and PFOA | 0.01    | µg/L        | -         | < 0.01     | 0.01      | 0.02       | 0.09       | 0.06      | < 0.01     | < 0.01    | 0.01       |
|                                    | Sum of PFHxS and PFOS                               | 0.01                 | µg/L    | -           | < 0.01    | 0.02       | 0.02      | 0.12       | 0.06       | < 0.01    | < 0.01     | 0.02      | < 0.01     |
|                                    | Sum of PFHxS and PFOS and PFOA                      | 0.01                 | µg/L    | -           | < 0.01    | 0.03       | 0.03      | 0.19       | 0.1        | < 0.01    | < 0.01     | 0.03      | < 0.01     |

mg/L milligrams per litre  
µg/L micrograms per litre  
LOR limit of reporting  
PS primary sample  
Criteria Criteria adopted from Australian and New Zealand Environment and Conservation Council (ANZECC) Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) Australian and New Zealand Guidelines for Fresh and Marine Water Quality - 'Primary Industries: Water quality for irrigation and general water use', 2000, and/or  
Heads of EPAs Australia and New Zealand - National Chemicals Working Group, 'PFAS National Environmental Management Plan' (Version 3.1, 2026) - 'Ecological water quality guideline values (99% protection)', and/or  
NSW EPA Environment Protection Licence 6180 'Limit Conditions - L2.4 Water and/or Land Concentration Limits', 2025  
within criteria  
criteria exceeded