

Bowral Waste Centre

EPA Licence No: 13366

Monitoring Point 2

(UTM Zone 56: 262080.407 East, 6180766.636 North)

Leachate Quality Monitoring

Leachate holding dam as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points -

Sampling frequency: Yearly

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Results |
|---|-----------------|--|------------------------------------|---|---------|
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 1 | |
| Aluminium (Al) | mg/L | | 1 | 1 | |
| Arsenic (As) | mg/L | | 1 | 1 | |
| Barium (Ba) | mg/L | | 1 | 1 | |
| Benzene | mg/L | | 1 | 1 | |
| Cadmium (Cd) | mg/L | | 1 | 1 | |
| Calcium (Ca) | mg/L | | 1 | 1 | |
| Chemical Oxygen Demand | mg/L | | 1 | 1 | |
| Cobalt | mg/L | | 1 | 1 | |
| Chromium (total hexavalent) | mg/L | | 1 | 1 | |
| Chromium (total) | mg/L | | 1 | 1 | |
| Chloride (Cl) | mg/L | | 1 | 1 | |
| Conductivity | (µS/cm) | | 1 | 1 | |
| Copper (Cu) | mg/L | | 1 | 1 | |
| Dissolved Organic Carbon | mg/L | | 1 | 1 | |
| Ethyl Benzene | mg/L | | 1 | 1 | |
| Fluoride (F) | mg/L | | 1 | 1 | |
| Lead (Pb) | mg/L | | 1 | 1 | |
| Magnesium (Mg) | mg/L | | 1 | 1 | |
| Manganese(Mn) | mg/L | | 1 | 1 | |
| Mercury (Hg) | mg/L | | 1 | 1 | |
| Nitrate + Nitrite | mg/L | | 1 | 1 | |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 1 | |
| Organochlorine Pesticides | mg/L | | 1 | 1 | |
| Organophosphate Pesticides | mg/L | | 1 | 1 | |
| pH | pH Units | | 1 | 1 | |
| Phosphate (PO ₄) | mg/L | | 1 | 1 | |
| Phosphorus (P) | mg/L | | 1 | 1 | |
| Polychlorinated biphenyls (mg/L) | mg/L | | 1 | 1 | |
| Polycyclic Aromatic Hydrocarbons (mg/L) | mg/L | | 1 | 1 | |
| Potassium (K) | mg/L | | 1 | 1 | |
| Sodium (Na) | mg/L | | 1 | 1 | |
| Sulfate (SO ₄) | mg/L | 1 | 1 | | |
| Toluene | mg/L | 1 | 1 | | |
| Total Iron (Fe) | mg/L | 1 | 1 | | |
| Total Petroleum Hydrocarbons | mg/L | 1 | 1 | | |

| | | | | | |
|-----------------|------|--|---|---|--|
| Total Phenolics | mg/L | | 1 | 1 | |
| Xylene | mg/L | | 1 | 1 | |
| Zinc (Zn) | mg/L | | 1 | 1 | |

BDL*Below detection limit.

Bowral Waste Centre

EPA Licence No: 13366

Monitoring Point 3

(Zone 56: 262079.587 East, 6180676.705 North)

Groundwater Quality Monitoring

Groundwater monitoring location P1-A as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Every 6 months

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Lowest sample value | Highest sample value | Mean of samples | Results | |
|--|-----------------|--|------------------------------------|---|---------------------|----------------------|-----------------|------------|------------|
| | | | | | | | | 24/10/2023 | 24/04/2024 |
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 1 | 788 | 812 | 800 | 812 | 788 |
| Aluminium (Al) | mg/L | | 1 | 1 | 0.005 | 0.005 | 0 | 0.005 | 0.005 |
| Calcium (Ca) | mg/L | | 1 | 1 | 132 | 142 | 137 | 132 | 142 |
| Chloride (Cl) | mg/L | | 1 | 1 | 84 | 125 | 105 | 125 | 84 |
| Conductivity | (µS/cm) | | 1 | 1 | 1440 | 1470 | 1455 | 1470 | 1440 |
| Copper (Cu) | mg/L | | 1 | 1 | 0.0005 | 0.0005 | 0 | 0.0005 | 0.0005 |
| Fluoride (F) | mg/L | | 1 | 1 | 0.3 | 0.3 | 0 | 0.3 | 0.3 |
| Iron | mg/L | | 1 | 1 | 0.025 | 0.54 | 0 | 0.54 | 0.025 |
| Lead (Pb) | mg/L | | 1 | 1 | 0.0005 | 0.0005 | 0 | 0.0005 | 0.0005 |
| Magnesium (Mg) | mg/L | | 1 | 1 | 96 | 100 | 98 | 100 | 96 |
| Manganese (Mn) | mg/L | | 1 | 1 | 0.119 | 0.134 | 0 | 0.134 | 0.119 |
| Nitrate | mg/L | | 1 | 1 | 0.07 | 0.07 | 0 | 0.07 | 0.07 |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 1 | 0.5 | 0.76 | 1 | 0.76 | 0.5 |
| pH | pH Units | | 1 | 1 | 7.83 | 7.92 | 8 | 7.83 | 7.92 |
| Potassium (K) | mg/L | | 1 | 1 | 9 | 10 | 10 | 9 | 10 |
| Sodium (Na) | mg/L | | 1 | 1 | 63 | 96 | 80 | 96 | 63 |
| Standing Water Level | metres | | 1 | 1 | 16 | 19.2 | 18 | 16 | 19.2 |
| Sulfate (SO ₄) | mg/L | | 1 | 1 | 10 | 11 | 11 | 10 | 11 |
| Total dissolved solids | mg/L | | 1 | 1 | 746 | 810 | 778 | 810 | 746 |
| Total organic carbon | mg/L | | 1 | 1 | 0.5 | 0.5 | 1 | 0.5 | 0.5 |
| Total Phenolics | mg/L | 1 | 1 | 0.025 | 0.025 | 0 | 0.025 | 0.025 | |
| Zinc (Zn) | mg/L | 1 | 1 | 0.0025 | 0.028 | 0 | 0.0025 | 0.028 | |

*BDL *Below detection limit.*

EPA Licence No: 13366

Monitoring Point 4

(Zone 56: 262079.587 East, 6180676.705 North)

Groundwater Quality Monitoring

Groundwater monitoring location P1-A as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Every 6 months

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Lowest sample value | Highest sample value | Mean of samples | Results | |
|--|-----------------|--|------------------------------------|---|---------------------|----------------------|-----------------|------------|------------|
| | | | | | | | | 24/10/2023 | 14/04/2024 |
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 1 | 177 | 214 | 196 | 177 | 214 |
| Aluminium (Al) | mg/L | | 1 | 1 | 0.005 | 0.005 | 0 | 0.005 | 0.005 |
| Calcium (Ca) | mg/L | | 1 | 1 | 38 | 48 | 43 | 38 | 48 |
| Chloride (Cl) | mg/L | | 1 | 1 | 103 | 110 | 107 | 110 | 103 |
| Conductivity | (µS/cm) | | 1 | 1 | 615 | 690 | 653 | 615 | 690 |
| Copper (Cu) | mg/L | | 1 | 1 | 0.0005 | 0.011 | 0.01 | 0.0005 | 0.011 |
| Fluoride (F) | mg/L | | 1 | 1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 |
| Iron | mg/L | | 1 | 1 | 0.025 | 0.025 | 0.0 | 0.025 | 0.025 |
| Lead (Pb) | mg/L | | 1 | 1 | 0.0005 | 0.0005 | 0.001 | 0.0005 | 0.0005 |
| Magnesium (Mg) | mg/L | | 1 | 1 | 31 | 37 | 34 | 31 | 37 |
| Manganese (Mn) | mg/L | | 1 | 1 | 0.01 | 0.01 | 0.010 | 0.01 | 0.01 |
| Nitrate | mg/L | | 1 | 1 | 0.08 | 0.1 | 0.090 | 0.1 | 0.08 |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 1 | 0.01 | 0.07 | 0 | 0.01 | 0.07 |
| pH | pH Units | | 1 | 1 | 7.15 | 7.54 | 7.35 | 7.15 | 7.54 |
| Potassium (K) | mg/L | | 1 | 1 | 3 | 4 | 4 | 3 | 4 |
| Sodium (Na) | mg/L | | 1 | 1 | 39 | 41 | 40 | 41 | 39 |
| Standing Water Level | metres | | 1 | 1 | 31.64 | 32.85 | 32 | 31.64 | 32.85 |
| Sulfate (SO ₄) | mg/L | | 1 | 1 | 10 | 13 | 12 | 13 | 10 |
| Total dissolved solids | mg/L | | 1 | 1 | 353 | 376 | 365 | 353 | 376 |
| Total organic carbon | mg/L | | 1 | 1 | 0 | 0 | 0.500 | 0.5 | 0.5 |
| Total Phenolics | mg/L | 1 | 1 | 0 | 0 | 0.025 | 0.025 | 0.025 | |
| Zinc (Zn) | mg/L | 1 | 1 | 0 | 0.0025 | 0.003 | 0.0025 | 0.0025 | |

BDL *Below detection limit.

EPA Licence No: 13366

Monitoring Point 5

(Zone 56: 262079.587 East, 6180676.705 North)

Groundwater Quality Monitoring

Groundwater monitoring location P1-A as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Every 6 months

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Lowest sample value | Highest sample value | Mean of samples | Results | |
|--|-----------------|--|------------------------------------|---|---------------------|----------------------|-----------------|------------|------------|
| | | | | | | | | 24/10/2023 | 24/04/2024 |
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 2 | 212 | 220 | 216 | 220 | 212 |
| Aluminium (Al) | mg/L | | 1 | 2 | 0.005 | 0.005 | 0 | BDL | 0.005 |
| Calcium (Ca) | mg/L | | 1 | 2 | 55 | 57 | 56 | 57 | 55 |
| Chloride (Cl) | mg/L | | 1 | 2 | 37 | 42 | 40 | 37 | 42 |
| Conductivity | (µS/cm) | | 1 | 2 | 670 | 688 | 679 | 688 | 670 |
| Copper (Cu) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.00 | BDL | 0.0005 |
| Fluoride (F) | mg/L | | 1 | 2 | 0.05 | 0.05 | 0.1 | 0.05 | 0.05 |
| Iron | mg/L | | 1 | 2 | 0.025 | 0.025 | 0.0 | BDL | 0.025 |
| Lead (Pb) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.001 | BDL | 0.0005 |
| Magnesium (Mg) | mg/L | | 1 | 2 | 39 | 40 | 40 | 40 | 39 |
| Manganese (Mn) | mg/L | | 1 | 2 | 0.371 | 0.371 | 0.371 | BDL | 0.371 |
| Nitrate | mg/L | | 1 | 2 | 0.005 | 0.06 | 0.033 | 0.005 | 0.06 |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 2 | 0.02 | 0.14 | 0 | 0.14 | 0.02 |
| pH | pH Units | | 1 | 2 | 7.01 | 7.3 | 7.16 | 7.01 | 7.3 |
| Potassium (K) | mg/L | | 1 | 2 | 4 | 4 | 4 | 4 | 4 |
| Sodium (Na) | mg/L | | 1 | 2 | 31 | 33 | 32 | 33 | 31 |
| Standing Water Level | metres | | 1 | 2 | 18.1 | 18.34 | 18 | 18.34 | 18.1 |
| Sulfate (SO ₄) | mg/L | | 1 | 2 | 110 | 122 | 116 | 122 | 110 |
| Total dissolved solids | mg/L | | 1 | 2 | 366 | 416 | 391 | 416 | 366 |
| Total organic carbon | mg/L | | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Phenolics | mg/L | 1 | 2 | 0.025 | 0.025 | 0 | 0.025 | 0.025 | |
| Zinc (Zn) | mg/L | 1 | 2 | 0.007 | 0.007 | 0.007 | BDL | 0.007 | |

BDL *Below detection limit.

EPA Licence No: 13366

Monitoring Point 6

(Zone 56: 262079.587 East, 6180676.705 North)

Groundwater Quality Monitoring

Groundwater monitoring location P1-A as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Every 6 months

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Lowest sample value | Highest sample value | Mean of samples | Results | |
|--|-----------------|--|------------------------------------|---|---------------------|----------------------|-----------------|------------|------------|
| | | | | | | | | 24/10/2023 | 24/04/2024 |
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 2 | 163 | 168 | 166 | 168 | 163 |
| Aluminium (Al) | mg/L | | 1 | 2 | 0.005 | 0.005 | 0 | 0.005 | 0.005 |
| Calcium (Ca) | mg/L | | 1 | 2 | 37 | 38 | 38 | 38 | 37 |
| Chloride (Cl) | mg/L | | 1 | 2 | 85 | 103 | 94 | 103 | 85 |
| Conductivity | (µ/cm) | | 1 | 2 | 557 | 560 | 559 | 557 | 560 |
| Copper (Cu) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.00 | 0.0005 | 0.0005 |
| Fluoride (F) | mg/L | | 1 | 2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Iron | mg/L | | 1 | 2 | 0.025 | 30 | 15.0 | 0.025 | 30 |
| Lead (Pb) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.001 | 0.0005 | 0.0005 |
| Magnesium (Mg) | mg/L | | 1 | 2 | 29 | 30 | 30 | 29 | 30 |
| Manganese (Mn) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.001 | 0.0005 | 0.0005 |
| Nitrate | mg/L | | 1 | 2 | 0.16 | 0.16 | 0.160 | 0.16 | 0.16 |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 2 | 0.02 | 0.06 | 0 | 0.06 | 0.02 |
| pH | pH Units | | 1 | 2 | 7.18 | 7.54 | 7.36 | 7.18 | 7.54 |
| Potassium (K) | mg/L | | 1 | 2 | 3 | 3 | 3 | 3 | 3 |
| Sodium (Na) | mg/L | | 1 | 2 | 34 | 35 | 35 | 35 | 34 |
| Standing Water Level | metres | | 1 | 2 | 32 | 33.2 | 33 | 32 | 33.2 |
| Sulfate (SO ₄) | mg/L | | 1 | 2 | 7 | 8 | 8 | 7 | 8 |
| Total dissolved solids | mg/L | | 1 | 2 | 292 | 326 | 309 | 326 | 292 |
| Total organic carbon | mg/L | | 1 | 2 | 0.5 | 0.5 | 1 | 0.5 | 0.5 |
| Total Phenolics | mg/L | 1 | 2 | 0.025 | 0.025 | 0 | 0.025 | 0.025 | |
| Zinc (Zn) | mg/L | 1 | 2 | 0.0025 | 0.0025 | 0.003 | 0.0025 | 0.0025 | |

BDL *Below detection limit.

EPA Licence No: 13366

Monitoring Point 7

(Zone 56: 262079.587 East, 6180676.705 North)

Groundwater Quality Monitoring

Groundwater monitoring location P1-A as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Every 6 months

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Lowest sample value | Highest sample value | Mean of samples | Results | |
|--|-----------------|--|------------------------------------|---|---------------------|----------------------|-----------------|------------|------------|
| | | | | | | | | 24/10/2023 | 24/04/2024 |
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 2 | 198 | 220 | 209 | 198 | 220 |
| Aluminium (Al) | mg/L | | 1 | 2 | 0.005 | 0.005 | 0 | 0.005 | 0.005 |
| Calcium (Ca) | mg/L | | 1 | 2 | 51 | 54 | 53 | 54 | 51 |
| Chloride (Cl) | mg/L | | 1 | 2 | 116 | 155 | 136 | 155 | 116 |
| Conductivity | (µS/cm) | | 1 | 2 | 707 | 754 | 731 | 754 | 707 |
| Copper (Cu) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.00 | 0.0005 | 0.0005 |
| Fluoride (F) | mg/L | | 1 | 2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Iron | mg/L | | 1 | 2 | 0.025 | 0.025 | 0.0 | 0.025 | 0.025 |
| Lead (Pb) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.001 | 0.0005 | 0.0005 |
| Magnesium (Mg) | mg/L | | 1 | 2 | 34 | 35 | 35 | 35 | 34 |
| Manganese (Mn) | mg/L | | 1 | 2 | 1.22 | 1.41 | 1.315 | 1.41 | 1.22 |
| Nitrate | mg/L | | 1 | 2 | 0.02 | 0.03 | 0.025 | 0.03 | 0.02 |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 2 | 0.16 | 0.2 | 0 | 0.16 | 0.2 |
| pH | pH Units | | 1 | 2 | 7.15 | 7.39 | 7.27 | 7.15 | 7.39 |
| Potassium (K) | mg/L | | 1 | 2 | 6 | 6 | 6 | 6 | 6 |
| Sodium (Na) | mg/L | | 1 | 2 | 45 | 46 | 46 | 46 | 45 |
| Standing Water Level | metres | | 1 | 2 | 28.62 | 38.59 | 34 | 38.59 | 28.62 |
| Sulfate (SO ₄) | mg/L | | 1 | 2 | 2 | 4 | 3 | 2 | 4 |
| Total dissolved solids | mg/L | | 1 | 2 | 374 | 478 | 426 | 478 | 374 |
| Total organic carbon | mg/L | | 1 | 2 | 0.5 | 0.5 | 1 | 0.5 | 0.5 |
| Total Phenolics | mg/L | 1 | 2 | 0.025 | 0.025 | 0 | 0.025 | 0.025 | |
| Zinc (Zn) | mg/L | 1 | 2 | 0.0025 | 0.0025 | 0.003 | 0.0025 | 0.0025 | |

*Below detection limit.

EPA Licence No: 13366

Monitoring Point 8

(Zone 56: 262079.587 East, 6180676.705 North)

Groundwater Quality Monitoring

Groundwater monitoring location P1-A as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Every 6 months

| Pollutant | Unit of Measure | 100 Percentile Concentration Limit | No. of Samples Required by Licence | Total no. of samples collected and analysed | Lowest sample value | Highest sample value | Mean of samples | Results | |
|--|-----------------|--|------------------------------------|---|---------------------|----------------------|-----------------|------------|------------|
| | | | | | | | | 24/10/2023 | 24/04/2024 |
| Alkalinity (as CaCO ₃) | mg/L | <i>No concentration limits apply - sampling for monitoring purposes only</i> | 1 | 2 | 158 | 167 | 163 | 158 | 167 |
| Aluminium (Al) | mg/L | | 1 | 2 | 0.005 | 0.01 | 0 | 0.005 | 0.01 |
| Calcium (Ca) | mg/L | | 1 | 2 | 33 | 35 | 34 | 33 | 35 |
| Chloride (Cl) | mg/L | | 1 | 2 | 65 | 82 | 74 | 82 | 65 |
| Conductivity | (µS/cm) | | 1 | 2 | 497 | 497 | 497 | 497 | 497 |
| Copper (Cu) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.00 | 0.0005 | 0.0005 |
| Fluoride (F) | mg/L | | 1 | 2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Iron | mg/L | | 1 | 2 | 0.025 | 0.025 | 0.0 | 0.025 | 0.025 |
| Lead (Pb) | mg/L | | 1 | 2 | 0.0005 | 0.0005 | 0.001 | 0.0005 | 0.0005 |
| Magnesium (Mg) | mg/L | | 1 | 2 | 23 | 24 | 24 | 23 | 24 |
| Manganese (Mn) | mg/L | | 1 | 2 | 0.022 | 0.026 | 0.024 | 0.026 | 0.022 |
| Nitrate | mg/L | | 1 | 2 | 0.09 | 0.13 | 0.110 | 0.13 | 0.09 |
| Nitrogen as Ammonia (NH ₃) | mg/L | | 1 | 2 | 0.04 | 0.07 | 0 | 0.04 | 0.07 |
| pH | pH Units | | 1 | 2 | 6.97 | 7.15 | 7.06 | 6.97 | 7.15 |
| Potassium (K) | mg/L | | 1 | 2 | 4 | 5 | 5 | 4 | 5 |
| Sodium (Na) | mg/L | | 1 | 2 | 36 | 37 | 37 | 37 | 36 |
| Standing Water Level | metres | | 1 | 2 | 33.78 | 34.7 | 34 | 33.78 | 34.7 |
| Sulfate (SO ₄) | mg/L | | 1 | 2 | 3 | 4 | 4 | 3 | 4 |
| Total dissolved solids | mg/L | | 1 | 2 | 250 | 272 | 261 | 272 | 250 |
| Total organic carbon | mg/L | | 1 | 2 | 0 | 0 | 1 | 0.5 | 0.5 |
| Total Phenolics | mg/L | 1 | 2 | 0 | 0 | 0 | 0.025 | 0.025 | |
| Zinc (Zn) | mg/L | 1 | 2 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | |

*Below detection limit.

Bowral Waste Centre

EPA Licence No: 13366

Monitoring Point 11

(UTM Zone 56: 262045.431 East, 6180744.443 North)

Water Quality Monitoring

Stormwater holding dam (Quarry Void) as identified in Licence Variation Application to the EPA on 10 February 2021 - Proposed monitoring points - CM9 DOC 21/142907

Sampling frequency: Special Frequency 1 means prior to any water being pumped to the discharge pond (Point 1).

| Date | Sample ID | Depth (m) | Description | pH | TSS | Turbidity | Ammonia | COD |
|------------|-----------|-----------|-------------|---------|------|-----------|---------|------|
| | | | UNITS | pH | mg/L | NTU | mg/L | mg/L |
| | | | LOR | 0.01 | 5 | 0.1 | 0.01 | 10 |
| | | | LIMIT | 6.5-8.5 | 30 | 150 | TBD | 50 |
| | | | Max | 8.3 | 13 | 15 | 2 | 13 |
| | | | Min | 7.6 | 6 | 4.6 | 0.2 | 10 |
| Average | 8.0 | 10 | 9.4 | 0.9 | 12 | | | |
| 30/01/2024 | MP11_1 | Surface | | 8.14 | 13 | 14.5 | 1.99 | <10 |
| 30/01/2024 | MP11_2 | 2 | | 8.28 | 10 | 13.9 | 2.03 | <10 |
| 21/03/2024 | MP11_1 | Surface | | 8.16 | 10 | 4.6 | 0.4 | <10 |
| | MP11_2 | 2 | | | | | | |
| 27/03/2024 | MP11_1 | Surface | | 7.56 | <5 | 4.6 | 0.15 | <10 |
| | MP11_2 | 2 | | | | | | |
| 4/04/2024 | MP11_1 | Surface | | 8.31 | 10 | 7.6 | 0.51 | <10 |
| | MP11_2 | 2 | | | | | | |
| 18/04/2024 | MP11_1 | Surface | | 7.97 | <5 | 10.9 | 0.76 | 13 |
| | MP11_2 | 2 | | 7.99 | <5 | 12.1 | 1.02 | 10 |
| 2/05/2024 | MP11_1 | Surface | | 7.96 | 6 | 7.2 | 0.7 | <10 |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11-1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |
| | MP11_1 | Surface | | | | | | |
| | MP11_2 | 2 | | | | | | |

Comprehensive Discharge Study Test No.1
 Not reqd to test
 Comprehensive Discharge Study Test No.2
 Not reqd to test
 Comprehensive Discharge Study Test No.3
 Not reqd to test

 Comprehensive Discharge Study Test No.4
 Not reqd to test