

1ST APRIL 2022 - 31ST MARCH 2023

PERCENTILE CONCENTRATION LIMIT

| Sample Date | Monthly Rainfall | DISCHARGE AND MP1                        |          |          |          |        |     |          |          | DISCHARGE AND MP6                        |     |    |     |     |     |         |         | LOAD CALCULATIONS |          |          |            |          | MP2 Daily Volume | MP4 Down Stream     |          |                    | MP3 Up Stream |          |       | MP2 Monthly Flow                | DISCHARGE TO WATER/MONITORING POINT 1 |       |                                    |                                    |                                    |                                     |
|-------------|------------------|--|----------|----------|----------|--------|-----|----------|----------|--|-----|----|-----|-----|-----|---------|---------|-------------------|----------|----------|------------|----------|------------------|---------------------|----------|--------------------|---------------|----------|-------|---------------------------------|---------------------------------------|-------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
|             |                  | Faecal Coliforms                         | Amm      | pH       | TSS      | BOD    | O&G | Total N  | Phos     | Faecal Coliforms                         | Amm | pH | TSS | BOD | O&G | Total N | Phos    | TSS Ld            | BOD Ld   | O&G Ld   | Total N Ld | Phos Ld  |                  | Phos                | Nitrates | pH                 | Phos          | Nitrates | pH    |                                 | Pollutant                             | Limit | 50 PERCENTILE CONCENTRATION LIMITS | 80 PERCENTILE CONCENTRATION LIMITS | 90 PERCENTILE CONCENTRATION LIMITS | 100 PERCENTILE CONCENTRATION LIMITS |
|             |                  |  |          |          |          |        |     |          |          |  |     |    |     |     |     |         |         |                   |          |          |            |          |                  |                     |          |                    |               |          |       |                                 |                                       |       |                                    |                                    |                                    |                                     |
| 2/04/2022   | 83               | 910                                      | 3.12     | 6.43     | 5        | 4      | 2   | 29.5     | 0.48     |  |     |    |     |     |     |         | 6.8325  | 5.466             | 2.733    | 40.31175 | 0.65592    | 1366     | 0.08             | 2.7                 | 6.9      | 0.06               | 1.5           | 6.95     | 34174 | OIL AND GREASE                  | LIMIT                                 |       |                                    |                                    | 10                                 |                                     |
| 6/05/2022   | 77.5             | 260                                      | 1.32     | 7.73     | 5        | 2      | 2   | 13.9     | 0.41     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 9.2125  | 3.685             | 3.685    | 25.61075 | 0.755425   | 1843     | 0.07             | 1.5                 | 7.38     | 0.05               | 1.4           | 7.41     | 47421 | pH                              | LIMIT                                 |       |                                    |                                    | 6.5 - 8.5                          |                                     |
| 30.06.2022  | 51               | 170                                      | 1.56     | 7.53     | 5        | 4      | 2   | 12.2     | 0.44     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 9.9     | 7.92              | 3.96     | 24.156   | 0.8712     | 1980     | 0.05             | 1.3                 | 7.48     | 0.05               | 1.2           | 7.53     | 54634 |                                 | READING                               |       |                                    |                                    | 8.93                               |                                     |
| 31.07.2022  | 138.5            | 54                                       | 0.84     | 7.84     | 8        | 9      | 2   | 10.6     | 0.41     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 16.504  | 18.567            | 4.126    | 21.8678  | 0.84583    | 2063     | 0.05             | 0.3                 | 7.45     | 0.05               | 1.3           | 7.55     | 62815 | NITROGEN (TOTAL)                | LIMIT                                 |       |                                    | 15                                 | 20                                 |                                     |
| 31.08.2022  | 133              | 120                                      | 0.99     | 7.72     | 5        | 3      | 2   | 9.9      | 0.38     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 18.7225 | 11.2335           | 7.489    | 37.07055 | 1.42291    | 3744     | 0.05             | 18.7                | 7.42     | 0.05               | 16.2          | 7.53     | 84497 |                                 | READING                               |       |                                    | 14                                 | 30                                 |                                     |
| 30.09.2022  | 116              | 57                                       | 0.38     | 8.34     | 5        | 2      | 2   | 8.5      | 0.38     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 12.9325 | 5.173             | 5.173    | 21.98525 | 0.98287    | 2587     | 0.05             | 1.2                 | 7.41     | 0.05               | 1.2           | 7.48     | 70727 | PHOSPHOROUS (TOTAL)             | LIMIT                                 |       |                                    | 1                                  | 2                                  |                                     |
| 31.10.2022  | 123              | 10                                       | 0.18     | 7.47     | 5        | 9      | 2   | 6.9      | 0.37     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 11.6125 | 20.9025           | 4.645    | 16.02525 | 0.859325   | 2323     | 0.05             | 1.3                 | 7.3      | 0.05               | 1.2           | 7.39     | 74407 |                                 | READING                               |       |                                    | 0.71                               | 0.93                               |                                     |
| 30.11.2022  | 171              | 1900                                     | 0.3      | 7.26     | 5        | 3      | 2   | 3        | 0.31     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 11.515  | 6.909             | 4.606    | 6.909    | 0.71393    | 2303     | 0.05             | 1                   | 7.1      | 0.06               | 1             | 7.07     | 70352 | FAECAL COLIFORMS                | LIMIT                                 |       | 200                                |                                    | 600                                |                                     |
| 31.12.2022  | 26               | 1000                                     | 0.73     | 7.02     | 5        | 5      | 2   | 2.1      | 0.61     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 8.5125  | 8.5125            | 3.405    | 3.57525  | 1.038525   | 1703     | 0.06             | 0.6                 | 6.86     | 0.05               | 0.7           | 6.76     | 51024 |                                 | READING                               |       | 982                                |                                    | 1900                               |                                     |
| 7.2.23      | 90               | 82                                       | 0.19     | 8.93     | 5        | 2      | 2   | 2.2      | 0.93     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 6.59    | 2.636             | 2.636    | 2.8996   | 1.22574    | 1318     | 0.08             | 2.2                 | 7        | 0.06               | 1             | 7.09     | 40767 | TOTAL SUSPENDED SOLIDS (TSS)    | LIMIT                                 | 20    |                                    | 25                                 | 30                                 |                                     |
| 8.03.23     | 65               | 1300                                     | 0.05     | 6.89     | 12       | 7      | 2   | 5.6      | 0.72     | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 16.356  | 9.541             | 2.726    | 7.6328   | 0.98136    | 1363     | 0.15             | 1.2                 | 6.92     | 0.05               | 1             | 6.87     | 39014 | BIOCHEMICAL OXYGEN DEMAND (BOD) | LIMIT                                 | 15    |                                    | 20                                 | 30                                 |                                     |
| 4.04.23     | 61               | 360                                      | 0.05     | 7.7      | 8        | 3      | 2   | 7        | 0.3      | 0  | 0   | 0  | 0   | 0   | 0   | 0       | 181.64  | 68.115            | 45.41    | 158.935  | 6.8115     | 22705    | 0.06             | 1.2                 | 7.06     | 0.05               | 0.7           | 7.19     | 41412 |                                 | READING                               | 4     |                                    | 9                                  | 9                                  |                                     |
|             | Min              | 10                                       | 0.05     | 6.43     | 5        | 2      | 2   | 2.1      | 0.3      | 0  | 0   | 0  | 0   | 0   | 0   | 0       |         |                   |          |          |            |          | Min              | 0.05                | 0.3      | 6.86               | 0.05          | 0.7      | 6.76  |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             | Mean             | 518.5833                                 | 0.809167 | 7.571667 | 6.083333 | 4.4167 | 2   | 9.283333 | 0.478333 | 0  | 0   | 0  | 0   | 0   | 0   | 0       |         |                   |          |          |            |          | Mean             | 0.066667            | 2.766667 | 7.19               | 0.0525        | 2.366667 | 7.235 |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             | Max              | 1900                                     | 3.12     | 8.93     | 12       | 9      | 2   | 29.5     | 0.93     | 0  | 0   | 0  | 0   | 0   | 0   | 0       |         |                   |          |          |            |          | Max              | 0.15                | 18.7     | 7.48               | 0.06          | 16.2     | 7.55  |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             |                  | Sum of Observed Daily Loads              |          |          |          |        |     |          |          | Sum of Observed Daily Loads              |     |    |     |     |     |         |         | 310.33            | 168.6605 | 90.594   | 366.979    | 17.16454 | 45297            | ANNUAL FLOW         |          |                    | 671244.00     |          |       |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             |                  | Flow Weighted Concentration              |          |          |          |        |     |          |          | Flow Weighted Concentration              |     |    |     |     |     |         |         | 0.006851          | 0.003723 | 0.002    | 0.008102   | 0.000379 |                  | MEAN DAILY FLOW k L |          |                    | 1839.02       |          |       |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             |                  | Flow Weighted Concentration X Total Flow |          |          |          |        |     |          |          | Flow Weighted Concentration X Total Flow |     |    |     |     |     |         |         | 4598.696          | 2499.334 | 1342.488 | 5438.163   | 254.3566 |                  | MIN DAILY FLOW k L  |          |                    | 606.00        |          |       |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             |                  |  |          |          |          |        |     |          |          |  |     |    |     |     |     |         |         |                   |          |          |            |          |                  |                     |          | MAX DAILY FLOW k L |               |          | 44334 |                                 |                                       |       |                                    |                                    |                                    |                                     |
|             |                  | STORMWATER BYPASS TOTAL (k L)            |          |          |          |        |     |          |          | STORMWATER BYPASS TOTAL (k L)            |     |    |     |     |     |         |         | 9349749           |          |          |            |          |                  |                     |          |                    |               |          |       |                                 |                                       |       |                                    |                                    |                                    |                                     |

| Assessable Pollutant     |                                 |                  |              |                    |                              |
|--------------------------|---------------------------------|------------------|--------------|--------------------|------------------------------|
|                          | Biochemical Oxygen Demand (BOD) | Nitrogen (Total) | Oil & Grease | Phosphorus (Total) | Total Suspended solids (TSS) |
| Load Limits kg           | 1950                            | 4750             | 1150         | 1200               | 6150                         |
| Date)                    | 2499.3                          | 5438.2           | 1342.5       | 254.4              | 4598.7                       |
| <b>ML per Year)</b>      | 44.334                          | 44.334           | 44.334       | 44.334             | 44.334                       |
| Factor                   | 10                              | 10               | 2            | 0.3                | 15                           |
| Threshold (CFRT)         | 443.34                          | 443.34           | 88.668       | 13.3002            | 665.01                       |
| Threshold (AFRT)         | 4555.3                          | 10433.0          | 2596.3       | 495.4              | 8532.4                       |
| Calculation Fator (CF)   | 0.004262                        | 0.294078         | 0.315388     | 8.69448            | 0.332436                     |
| Calculated Pollutant fee | \$19.41                         | \$3,068.11       | \$818.84     | \$4,307.36         | \$2,836.47                   |

|                                 |                    |
|---------------------------------|--------------------|
| Biochemical Oxygen Demand (BOD) | 19.41              |
| Nitrogen (Total)                | \$3,068.11         |
| Oil & Grease                    | \$818.84           |
| Phosphorus (Total)              | \$4,307.36         |
| Total Suspended solids (TSS)    | \$2,836.47         |
|                                 | <b>\$11,030.79</b> |

Small Plant Factor (ML per year) = Total Yearly Flow  
 Small Plant Factor (ML per year) x FRT = CFRT  
 Assessable Load (AL) x 2 - CFRT = AFRT  
 AFRT x CF = Calculated Pollutant Fee