

# WELLINGTON SEWAGE TREATMENT PLANT POINT 1-2

## 2019/2020

Licence Number: 3370

| Date Sample Taken: 30/6/2020 | Date Obtained: 1/07/2020                 | Date Published: 10/07/2020 | Licence Number: 3370 |           |        |
|------------------------------|--|----------------------------|----------------------|-----------|--------|
| Sampling Point               | Monitoring frequency required by licence | Pollutant                  | Acceptable Range     | Unit      | Result |
| 1                            | Monthly                                  | pH                         | 6.5 - 8.5            | pH        | 7.3    |
|                              |  | BOD                        | 0 - 15               | mg/L      | <2     |
|                              |  | Ammonia-N                  | 0 - 4                | mg/L      | 0.25   |
|                              |  | Nitrogen - Total           | 0 - 20               | mg/L      | 6.15   |
|                              |  | Phosphorus - Total         | 0 - 10               | mg/L      | 0.17   |
|                              |  | Suspended Solids           | 0 - 30               | mg/L      | <2     |
|                              |  | Oil and Grease             | 0 - 10               | mg/L      | <5     |
|                              |  | Faecal Coliforms           | 0 - 600              | MPN/100mL | 2      |

| Date Sample Taken: 27/05/2020 | Date Obtained: 28/05/2020                | Date Published: 10/06/2020 | Licence Number: 3370 |           |        |
|-------------------------------|--|----------------------------|----------------------|-----------|--------|
| Sampling Point                | Monitoring frequency required by licence | Pollutant                  | Acceptable Range     | Unit      | Result |
| 1                             | Monthly                                  | pH                         | 6.5 - 8.5            | pH        | 7.3    |
|                               |  | BOD                        | 0 - 15               | mg/L      | <2     |
|                               |  | Ammonia-N                  | 0 - 4                | mg/L      | 0.37   |
|                               |  | Nitrogen - Total           | 0 - 20               | mg/L      | 5.26   |
|                               |  | Phosphorus - Total         | 0 - 10               | mg/L      | 0.134  |
|                               |  | Suspended Solids           | 0 - 30               | mg/L      | <2     |
|                               |  | Oil and Grease             | 0 - 10               | mg/L      | <5     |
|                               |  | Faecal Coliforms           | 0 - 600              | MPN/100mL | 1      |

| Date Sample Taken: 29/04/2020 | Date Obtained: 30/04/2020                | Date Published: 11/05/2020 | Licence Number: 3370 |           |        |
|-------------------------------|--|----------------------------|----------------------|-----------|--------|
| Sampling Point                | Monitoring frequency required by licence | Pollutant                  | Acceptable Range     | Unit      | Result |
| 1                             | Monthly                                  | pH                         | 6.5 - 8.5            | pH        | 7.4    |
|                               |  | BOD                        | 0 - 15               | mg/L      | 3      |
|                               |  | Ammonia-N                  | 0 - 4                | mg/L      | 0.11   |
|                               |  | Nitrogen - Total           | 0 - 20               | mg/L      | 5.38   |
|                               |  | Phosphorus - Total         | 0 - 10               | mg/L      | 0.135  |
|                               |  | Suspended Solids           | 0 - 30               | mg/L      | <2     |
|                               |  | Oil and Grease             | 0 - 10               | mg/L      | <5     |
|                               |  | Faecal Coliforms           | 0 - 600              | MPN/100mL | 6      |

| <b>Date Sample Taken:</b><br>25/03/2020 | <b>Date Obtained:</b> 26/03/2020                | <b>Date Published:</b> 6/04/2020 | <b>Licence Number: 3370</b> |             |               |
|---|---|----------------------------------|-----------------------------|-------------|---------------|
| <b>Sampling Point</b>                   | <b>Monitoring frequency required by licence</b> | <b>Pollutant</b>                 | <b>Acceptable Range</b>     | <b>Unit</b> | <b>Result</b> |
| 1                                       | Monthly   | pH                               | 6.5 - 8.5                   | pH          | 7.5           |
|   |   | BOD                              | 0 - 15                      | mg/L        | <2            |
|   |   | Ammonia-N                        | 0 - 4                       | mg/L        | 0.1           |
|   |   | Nitrogen - Total                 | 0 - 20                      | mg/L        | 5.28          |
|   |   | Phosphorus - Total               | 0 - 10                      | mg/L        | 0.146         |
|   |   | Suspended Solids                 | 0 - 30                      | mg/L        | 3             |
|   |   | Oil and Grease                   | 0 - 10                      | mg/L        | <5            |
|   |   | Faecal Coliforms                 | 0 - 600                     | MPN/100mL   | 4             |

| <b>Date Sample Taken:</b><br>27/02/2020 | <b>Date Obtained:</b> 28/02/2020                | <b>Date Published:</b> 9/03/2020 | <b>Licence Number: 3370</b> |             |               |
|---|---|----------------------------------|-----------------------------|-------------|---------------|
| <b>Sampling Point</b>                   | <b>Monitoring frequency required by licence</b> | <b>Pollutant</b>                 | <b>Acceptable Range</b>     | <b>Unit</b> | <b>Result</b> |
| 1                                       | Monthly   | pH                               | 6.5 - 8.5                   | pH          | 7.5           |
|   |   | BOD                              | 0 - 15                      | mg/L        | <2            |
|   |   | Ammonia-N                        | 0 - 4                       | mg/L        | 0.17          |
|   |   | Nitrogen - Total                 | 0 - 20                      | mg/L        | 4.67          |
|   |   | Phosphorus - Total               | 0 - 10                      | mg/L        | 0.246         |
|   |   | Suspended Solids                 | 0 - 30                      | mg/L        | 3             |
|   |   | Oil and Grease                   | 0 - 10                      | mg/L        | <5            |
|   |   | Faecal Coliforms                 | 0 - 600                     | MPN/100mL   | 7             |

| <b>Date Sample Taken:</b><br>29/01/2020 | <b>Date Obtained:</b> 30/01/2020                | <b>Date Published:</b> 6/01/2020 | <b>Licence Number: 3370</b> |             |               |
|---|---|----------------------------------|-----------------------------|-------------|---------------|
| <b>Sampling Point</b>                   | <b>Monitoring frequency required by licence</b> | <b>Pollutant</b>                 | <b>Acceptable Range</b>     | <b>Unit</b> | <b>Result</b> |
| 1                                       | Monthly   | pH                               | 6.5 - 8.5                   | pH          | 7.8           |
|   |   | BOD                              | 0 - 15                      | mg/L        | <2            |
|   |   | Ammonia-N                        | 0 - 4                       | mg/L        | 0.27          |
|   |   | Nitrogen - Total                 | 0 - 20                      | mg/L        | 6.35          |
|   |   | Phosphorus - Total               | 0 - 10                      | mg/L        | 0.252         |
|   |   | Suspended Solids                 | 0 - 30                      | mg/L        | 2             |
|   |   | Oil and Grease                   | 0 - 10                      | mg/L        | <5            |
|   |   | Faecal Coliforms                 | 0 - 600                     | MPN/100mL   | 48            |

| Date Sample Taken:<br>18/12/2019 | Date Obtained: 19/12/2019                | Date Published: 28/12/2019 | Licence Number: 3370 |           |        |
|----------------------------------|--|----------------------------|----------------------|-----------|--------|
| Sampling Point                   | Monitoring frequency required by licence | Pollutant                  | Acceptable Range     | Unit      | Result |
| 1                                | Monthly                                  | pH                         | 6.5 - 8.5            | pH        | 7.7    |
|                                  |  | BOD                        | 0 - 15               | mg/L      | <2     |
|                                  |  | Ammonia-N                  | 0 - 4                | mg/L      | 1.07   |
|                                  |  | Nitrogen - Total           | 0 - 20               | mg/L      | 6.29   |
|                                  |  | Phosphorus - Total         | 0 - 10               | mg/L      | 0.266  |
|                                  |  | Suspended Solids           | 0 - 30               | mg/L      | <2     |
|                                  |  | Oil and Grease             | 0 - 10               | mg/L      | <5     |
|                                  |  | Faecal Coliforms           | 0 - 600              | MPN/100mL | 59     |

| Date Sample Taken:<br>27/11/2019 | Date Obtained: 28/11/2019                | Date Published: 05/12/2019 | Licence Number: 3370 |           |        |
|----------------------------------|--|----------------------------|----------------------|-----------|--------|
| Sampling Point                   | Monitoring frequency required by licence | Pollutant                  | Acceptable Range     | Unit      | Result |
| 1                                | Monthly                                  | pH                         | 6.5 - 8.5            | pH        | 7.7    |
|                                  |  | BOD                        | 0 - 15               | mg/L      | <2     |
|                                  |  | Ammonia-N                  | 0 - 4                | mg/L      | 0.28   |
|                                  |  | Nitrogen - Total           | 0 - 20               | mg/L      | 5.31   |
|                                  |  | Phosphorus - Total         | 0 - 10               | mg/L      | 0.151  |
|                                  |  | Suspended Solids           | 0 - 30               | mg/L      | <2     |
|                                  |  | Oil and Grease             | 0 - 10               | mg/L      | <5     |
|                                  |  | Faecal Coliforms           | 0 - 600              | MPN/100mL | 28     |

| Date Sample Taken:<br>30/10/2019 | Date Obtained: 31/10/2019                | Date Published: 11/11/2019 | Licence Number: 3370 |           |        |
|----------------------------------|--|----------------------------|----------------------|-----------|--------|
| Sampling Point                   | Monitoring frequency required by licence | Pollutant                  | Acceptable Range     | Unit      | Result |
| 1                                | Monthly                                  | pH                         | 6.5 - 8.5            | pH        | 7.5    |
|                                  |  | BOD                        | 0 - 15               | mg/L      | <2     |
|                                  |  | Ammonia-N                  | 0 - 4                | mg/L      | 0.62   |
|                                  |  | Nitrogen - Total           | 0 - 20               | mg/L      | 5.14   |
|                                  |  | Phosphorus - Total         | 0 - 10               | mg/L      | 0.207  |
|                                  |  | Suspended Solids           | 0 - 30               | mg/L      | <2     |
|                                  |  | Oil and Grease             | 0 - 10               | mg/L      | <5     |
|                                  |  | Faecal Coliforms           | 0 - 600              | MPN/100mL | 25     |

| Date Sample Taken: 25/9/2019 | Date Obtained: 4/10/2019                 | Date Published: 6/11/2019 | Licence Number: 3370 |           |        |
|------------------------------|--|---------------------------|----------------------|-----------|--------|
| Sampling Point               | Monitoring frequency required by licence | Pollutant                 | Acceptable Range     | Unit      | Result |
| 1                            | Monthly                                  | pH                        | 6.5 - 8.5            | pH        | 7.5    |
|                              |  | BOD                       | 0 - 15               | mg/L      | <2     |
|                              |  | Ammonia-N                 | 0 - 4                | mg/L      | 0.24   |
|                              |  | Nitrogen - Total          | 0 - 20               | mg/L      | 4.84   |
|                              |  | Phosphorus - Total        | 0 - 10               | mg/L      | 0.126  |
|                              |  | Suspended Solids          | 0 - 30               | mg/L      | <2     |
|                              |  | Oil and Grease            | 0 - 10               | mg/L      | <5     |
|                              |  | Faecal Coliforms          | 0 - 600              | MPN/100mL | 44     |

| Date Sample Taken: 28/8/2019 | Date Obtained: 7/09/2019                 | Date Published: 6/11/2019 | Licence Number: 3370 |           |        |
|------------------------------|--|---------------------------|----------------------|-----------|--------|
| Sampling Point               | Monitoring frequency required by licence | Pollutant                 | Acceptable Range     | Unit      | Result |
| 1                            | Monthly                                  | pH                        | 6.5 - 8.5            | pH        | 7.5    |
|                              |  | BOD                       | 0 - 15               | mg/L      | <2     |
|                              |  | Ammonia-N                 | 0 - 4                | mg/L      | 0.61   |
|                              |  | Nitrogen - Total          | 0 - 20               | mg/L      | 5.69   |
|                              |  | Phosphorus - Total        | 0 - 10               | mg/L      | 0.161  |
|                              |  | Suspended Solids          | 0 - 30               | mg/L      | <2     |
|                              |  | Oil and Grease            | 0 - 10               | mg/L      | <5     |
|                              |  | Faecal Coliforms          | 0 - 600              | MPN/100mL | <1     |

| Date Sample Taken: 31/07/2019 | Date Obtained: 09/08/2019                | Date Published: 12/8/2019 | Licence Number: 3370 |           |        |
|-------------------------------|--|---------------------------|----------------------|-----------|--------|
| Sampling Point                | Monitoring frequency required by licence | Pollutant                 | Acceptable Range     | Unit      | Result |
| 1                             | Monthly                                  | pH                        | 6.5 - 8.5            | pH        | 7.5    |
|                               |  | BOD                       | 0 - 15               | mg/L      | <2     |
|                               |  | Ammonia-N                 | 0 - 4                | mg/L      | 0.47   |
|                               |  | Nitrogen - Total          | 0 - 20               | mg/L      | 5.74   |
|                               |  | Phosphorus - Total        | 0 - 10               | mg/L      | 0.132  |
|                               |  | Suspended Solids          | 0 - 30               | mg/L      | <2     |
|                               |  | Oil and Grease            | 0 - 10               | mg/L      | <5     |
|                               |  | Faecal Coliforms          | 0 - 600              | MPN/100mL | 1      |