

Reporting of Emission to Surface Water for the period from 1st January 2020 to 30th June 2020

Operator : RWE Generation UK plc

Form: Water1

Location: Aberthaw Quarry Ash Disposal Site

Permit/Variation Number: BP3339BH

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup>               | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-------------------------------------|-------------------------------|---|--|-------------------------------|
| SW12           | Aluminium, Dissolved           |                         | Awaiting µg/l<br>result/Not tested? |                               | 04/03/2020                              | Sampling Amec/Testing<br>EA NLS                |                               |
|                | Antimony, Dissolved            |                         | <1 µg/l                             |                               |   |  |                               |
|                | Arsenic Dissolved              |                         | 1.3 µg/l                            |                               |   |  |                               |
|                | Boron, Dissolved               |                         | 490 µg/l                            |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         | Awaiting µg/l<br>result/Not tested? |                               |   |  |                               |
|                | Calcium, Dissolved             |                         | 190 mg/l                            |                               |   |  |                               |
|                | Chromium, Dissolved            |                         | Awaiting µg/l<br>result/Not tested? |                               |   |  |                               |
|                | Copper, Dissolved              |                         | Awaiting µg/l<br>result/Not tested? |                               |   |  |                               |
|                | Iron, Dissolved                |                         | <30 µg/l                            |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         | 29 mg/l                             |                               |   |  |                               |
|                | Manganese, Dissolved           |                         | <10 µg/l                            |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         | 1100 µg/l                           |                               |   |  |                               |
|                | Nickel, Dissolved              |                         | Awaiting µg/l<br>result/Not tested? |                               |   |  |                               |
|                | Selenium Dissolved             |                         | 0 µg/l                              |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         | 2.9 µg/l                            |                               |   |  |                               |
|                | Mercury, Dissolved             |                         | <0.01 µg/l                          |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         | 150 mg/l                            |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         | 1800 mS/cm                          |                               |   |  |                               |

| Emission point | Substance/<br>Parameter | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|-------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
|                | Potassium, Dissolved    |                         | 24 mg/l               |                               |   |  |                               |
|                | Sodium, Dissolved       |                         | 180 mg/l              |                               |   |  |                               |
|                | Sulphate, Dissolved     |                         | 370 mg/l              |                               |   |  |                               |
|                | Total Oxidised Nitrogen |                         | 13 mg/l               |                               |   |  |                               |
|                | Chloride                |                         | 300 mg/l              |                               |   |  |                               |
|                | Fluoride                |                         | 0.21 mg/l             |                               |   |  |                               |
|                | Ammoniacal Nitrogen     |                         | 0.19 mg/l             |                               |   |  |                               |
|                | Total Organic Carbon    |                         | 2 mg/l                |                               |   |  |                               |
|                | Nitrate                 |                         | 13 mg/l               |                               |   |  |                               |
|                | pH                      |                         | 8.4 pH Units          |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup>   | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup>                               | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|---|-------------------------------|---|--|-------------------------------|
| SW12           | Aluminium, Dissolved           |                         | Unable to collect samples or send off for analysis due to<br>Covid-19 | µg/l                          | Unable to collect samples or send off for analysis due to<br>Covid-19 | Sampling Amec/Testing<br>EA NLS                |                               |
|                | Antimony, Dissolved            |                         |   | µg/l                          |   |  |                               |
|                | Arsenic Dissolved              |                         |   | µg/l                          |   |  |                               |
|                | Boron, Dissolved               |                         |   | µg/l                          |   |  |                               |
|                | Cadmium, Dissolved             |                         |   | µg/l                          |   |  |                               |
|                | Calcium, Dissolved             |                         |   | mg/l                          |   |  |                               |
|                | Chromium, Dissolved            |                         |   | µg/l                          |   |  |                               |
|                | Copper, Dissolved              |                         |   | µg/l                          |   |  |                               |
|                | Iron, Dissolved                |                         |   | µg/l                          |   |  |                               |
|                | Magnesium, Dissolved           |                         |   | mg/l                          |   |  |                               |
|                | Manganese, Dissolved           |                         |   | µg/l                          |   |  |                               |
|                | Molybdenum, Dissolved          |                         |   | µg/l                          |   |  |                               |
|                | Nickel, Dissolved              |                         |   | µg/l                          |   |  |                               |
|                | Selenium Dissolved             |                         |   | µg/l                          |   |  |                               |
|                | Vanadium, Dissolved            |                         |   | µg/l                          |   |  |                               |
|                | Mercury, Dissolved             |                         |   | µg/l                          |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         |   | mg/l                          |   |  |                               |
|                | Electrical Conductivity at 20C |                         |   | mS/cm                         |   |  |                               |
|                | Potassium, Dissolved           |                         |   | mg/l                          |   |  |                               |
|                | Sodium, Dissolved              |                         |   | mg/l                          |   |  |                               |
|                | Sulphate, Dissolved            |                         |   | mg/l                          |   |  |                               |
|                | Total Oxidised Nitrogen        |                         |   | mg/l                          |   |  |                               |
|                | Chloride                       |                         |   | mg/l                          |   |  |                               |
|                | Fluoride                       |                         |   | mg/l                          |   |  |                               |
|                | Ammoniacal Nitrogen            |                         |   | mg/l                          |   |  |                               |
|                | Total Organic Carbon           |                         |   | mg/l                          |   |  |                               |
|                | Nitrate                        |                         |   | mg/l                          |   |  |                               |
|                | pH                             |                         |   | pH Units                      |   |  |                               |

| Emission point      | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|---------------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| Settlement<br>Ponds | Aluminium, Dissolved           |                         | 16.00 µg/l            |                               | 14/01/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                     | Antimony, Dissolved            |                         | <1 µg/l               |                               |   |  |                               |
|                     | Arsenic Dissolved              | 50                      | 2.80 µg/l             |                               |   |  |                               |
|                     | Boron, Dissolved               | 2000                    | 870.00 µg/l           |                               |   |  |                               |
|                     | Cadmium, Dissolved             | 5                       | <5 µg/l               |                               |   |  |                               |
|                     | Calcium, Dissolved             |                         | 290.00 mg/l           |                               |   |  |                               |
|                     | Chromium, Dissolved            | 50                      | 19.00 µg/l            |                               |   |  |                               |
|                     | Copper, Dissolved              |                         | 1.50 µg/l             |                               |   |  |                               |
|                     | Iron, Dissolved                |                         | <30 µg/l              |                               |   |  |                               |
|                     | Magnesium, Dissolved           |                         | 40.00 mg/l            |                               |   |  |                               |
|                     | Manganese, Dissolved           |                         | 10.00 µg/l            |                               |   |  |                               |
|                     | Molybdenum, Dissolved          |                         | 2500.00 µg/l          |                               |   |  |                               |
|                     | Nickel, Dissolved              |                         | 9.80 µg/l             |                               |   |  |                               |
|                     | Selenium Dissolved             |                         | 30.00 µg/l            |                               |   |  |                               |
|                     | Vanadium, Dissolved            | 60                      | 6.00 µg/l             |                               |   |  |                               |
|                     | Mercury, Dissolved             |                         | <0.01 µg/l            |                               |   |  |                               |
|                     | Total Alkalinity as CaCO3      |                         | 230.00 mg/l           |                               |   |  |                               |
|                     | Electrical Conductivity at 20C |                         | 3000.00 mS/cm         |                               |   |  |                               |
|                     | Potassium, Dissolved           |                         | 39.00 mg/l            |                               |   |  |                               |
|                     | Sodium, Dissolved              |                         | 330.00 mg/l           |                               |   |  |                               |
|                     | Sulphate, Dissolved            | 400                     | 530.00 mg/l           |                               |   |  |                               |
|                     | Total Oxidised Nitrogen        |                         | 3.70 mg/l             |                               |   |  |                               |
|                     | Chloride                       |                         | 590.00 mg/l           |                               |   |  |                               |
|                     | Fluoride                       |                         | 0.19 mg/l             |                               |   |  |                               |
|                     | Ammoniacal Nitrogen            | 0.6                     | 28.00 mg/l            |                               |   |  |                               |
|                     | Total Organic Carbon           |                         | 2.00 mg/l             |                               |   |  |                               |
|                     | Nitrate                        |                         | 0.00 mg/l             |                               |   |  |                               |
|                     | pH                             | <9                      | 8.10 pH Units         |                               |   |  |                               |

| Emission point      | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|---------------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| Settlement<br>Ponds | Aluminium, Dissolved           |                         | 19.00 µg/l            |                               | 19/02/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                     | Antimony, Dissolved            |                         | <1 µg/l               |                               |   |  |                               |
|                     | Arsenic Dissolved              | 50                      | 3.30 µg/l             |                               |   |  |                               |
|                     | Boron, Dissolved               | 2000                    | 1000.00 µg/l          |                               |   |  |                               |
|                     | Cadmium, Dissolved             | 5                       | <5 µg/l               |                               |   |  |                               |
|                     | Calcium, Dissolved             |                         | 310.00 mg/l           |                               |   |  |                               |
|                     | Chromium, Dissolved            | 50                      | 22.00 µg/l            |                               |   |  |                               |
|                     | Copper, Dissolved              |                         | 2.10 µg/l             |                               |   |  |                               |
|                     | Iron, Dissolved                |                         | <30 µg/l              |                               |   |  |                               |
|                     | Magnesium, Dissolved           |                         | 42.00 mg/l            |                               |   |  |                               |
|                     | Manganese, Dissolved           |                         | <10 µg/l              |                               |   |  |                               |
|                     | Molybdenum, Dissolved          |                         | 3000.00 µg/l          |                               |   |  |                               |
|                     | Nickel, Dissolved              |                         | 10.00 µg/l            |                               |   |  |                               |
|                     | Selenium Dissolved             |                         | 34.00 µg/l            |                               |   |  |                               |
|                     | Vanadium, Dissolved            | 60                      | 6.80 µg/l             |                               |   |  |                               |
|                     | Mercury, Dissolved             |                         | <0.01 µg/l            |                               |   |  |                               |
|                     | Total Alkalinity as CaCO3      |                         | 200.00 mg/l           |                               |   |  |                               |
|                     | Electrical Conductivity at 20C |                         | 3200.00 mS/cm         |                               |   |  |                               |
|                     | Potassium, Dissolved           |                         | 42.00 mg/l            |                               |   |  |                               |
|                     | Sodium, Dissolved              |                         | 380.00 mg/l           |                               |   |  |                               |
|                     | Sulphate, Dissolved            | 400                     | 600.00 mg/l           |                               |   |  |                               |
|                     | Total Oxidised Nitrogen        |                         | 30.00 mg/l            |                               |   |  |                               |
|                     | Chloride                       |                         | 660.00 mg/l           |                               |   |  |                               |
|                     | Fluoride                       |                         | 0.18 mg/l             |                               |   |  |                               |
|                     | Ammoniacal Nitrogen            | 0.6                     | 3.40 mg/l             |                               |   |  |                               |
|                     | Total Organic Carbon           |                         | 2.00 mg/l             |                               |   |  |                               |
|                     | Nitrate                        |                         | 0.00 mg/l             |                               |   |  |                               |
|                     | pH                             | <9                      | 8.20 pH Units         |                               |   |  |                               |

| Emission point      | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup>         | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|---------------------|--------------------------------|-------------------------|-------------------------------|-------------------------------|---|--|-------------------------------|
| Settlement<br>Ponds | Aluminium, Dissolved           |                         | No Samples Taken Due Covid-19 |                               | March                                   | Sampling Station/Testing<br>EA NLS             |                               |
|                     | Antimony, Dissolved            |                         |                               |                               |   |  |                               |
|                     | Arsenic Dissolved              | 50                      |                               |                               |   |  |                               |
|                     | Boron, Dissolved               | 2000                    |                               |                               |   |  |                               |
|                     | Cadmium, Dissolved             | 5                       |                               |                               |   |  |                               |
|                     | Calcium, Dissolved             |                         |                               |                               |   |  |                               |
|                     | Chromium, Dissolved            | 50                      |                               |                               |   |  |                               |
|                     | Copper, Dissolved              |                         |                               |                               |   |  |                               |
|                     | Iron, Dissolved                |                         |                               |                               |   |  |                               |
|                     | Magnesium, Dissolved           |                         |                               |                               |   |  |                               |
|                     | Manganese, Dissolved           |                         |                               |                               |   |  |                               |
|                     | Molybdenum, Dissolved          |                         |                               |                               |   |  |                               |
|                     | Nickel, Dissolved              |                         |                               |                               |   |  |                               |
|                     | Selenium Dissolved             |                         |                               |                               |   |  |                               |
|                     | Vanadium, Dissolved            | 60                      |                               |                               |   |  |                               |
|                     | Mercury, Dissolved             |                         |                               |                               |   |  |                               |
|                     | Total Alkalinity as CaCO3      |                         |                               |                               |   |  |                               |
|                     | Electrical Conductivity at 20C |                         |                               |                               |   |  |                               |
|                     | Potassium, Dissolved           |                         |                               |                               |   |  |                               |
|                     | Sodium, Dissolved              |                         |                               |                               |   |  |                               |
|                     | Sulphate, Dissolved            | 400                     |                               |                               |   |  |                               |
|                     | Total Oxidised Nitrogen        |                         |                               |                               |   |  |                               |
|                     | Chloride                       |                         |                               |                               |   |  |                               |
|                     | Fluoride                       |                         |                               |                               |   |  |                               |
|                     | Ammoniacal Nitrogen            | 0.6                     |                               |                               |   |  |                               |
|                     | Total Organic Carbon           |                         |                               |                               |   |  |                               |
|                     | Nitrate                        |                         |                               |                               |   |  |                               |
|                     | pH                             | <9                      |                               |                               |   |  |                               |

| Emission point      | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup>         | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|---------------------|--------------------------------|-------------------------|-------------------------------|-------------------------------|---|--|-------------------------------|
| Settlement<br>Ponds | Aluminium, Dissolved           |                         | No Samples Taken Due Covid-19 |                               | April                                   | Sampling Station/Testing<br>EA NLS             |                               |
|                     | Antimony, Dissolved            |                         |                               |                               |   |  |                               |
|                     | Arsenic Dissolved              | 50                      |                               |                               |   |  |                               |
|                     | Boron, Dissolved               | 2000                    |                               |                               |   |  |                               |
|                     | Cadmium, Dissolved             | 5                       |                               |                               |   |  |                               |
|                     | Calcium, Dissolved             |                         |                               |                               |   |  |                               |
|                     | Chromium, Dissolved            | 50                      |                               |                               |   |  |                               |
|                     | Copper, Dissolved              |                         |                               |                               |   |  |                               |
|                     | Iron, Dissolved                |                         |                               |                               |   |  |                               |
|                     | Magnesium, Dissolved           |                         |                               |                               |   |  |                               |
|                     | Manganese, Dissolved           |                         |                               |                               |   |  |                               |
|                     | Molybdenum, Dissolved          |                         |                               |                               |   |  |                               |
|                     | Nickel, Dissolved              |                         |                               |                               |   |  |                               |
|                     | Selenium Dissolved             |                         |                               |                               |   |  |                               |
|                     | Vanadium, Dissolved            | 60                      |                               |                               |   |  |                               |
|                     | Mercury, Dissolved             |                         |                               |                               |   |  |                               |
|                     | Total Alkalinity as CaCO3      |                         |                               |                               |   |  |                               |
|                     | Electrical Conductivity at 20C |                         |                               |                               |   |  |                               |
|                     | Potassium, Dissolved           |                         |                               |                               |   |  |                               |
|                     | Sodium, Dissolved              |                         |                               |                               |   |  |                               |
|                     | Sulphate, Dissolved            | 400                     |                               |                               |   |  |                               |
|                     | Total Oxidised Nitrogen        |                         |                               |                               |   |  |                               |
|                     | Chloride                       |                         |                               |                               |   |  |                               |
|                     | Fluoride                       |                         |                               |                               |   |  |                               |
|                     | Ammoniacal Nitrogen            | 0.6                     |                               |                               |   |  |                               |
|                     | Total Organic Carbon           |                         |                               |                               |   |  |                               |
|                     | Nitrate                        |                         |                               |                               |   |  |                               |
|                     | pH                             | <9                      |                               |                               |   |  |                               |

| Emission point      | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|---------------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| Settlement<br>Ponds | Aluminium, Dissolved           |                         | µg/l                  |                               | 02/06/2020                              | Sampling Station/Testing<br>ALS                |                               |
|                     | Antimony, Dissolved            |                         | µg/l                  |                               |   |  |                               |
|                     | Arsenic Dissolved              | 50                      | 4 µg/l                |                               |   |  |                               |
|                     | Boron, Dissolved               | 2000                    | 1900 µg/l             |                               |   |  |                               |
|                     | Cadmium, Dissolved             | 5                       | µg/l                  |                               |   |  |                               |
|                     | Calcium, Dissolved             |                         | mg/l                  |                               |   |  |                               |
|                     | Chromium, Dissolved            | 50                      | 38 µg/l               |                               |   |  |                               |
|                     | Copper, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                     | Iron, Dissolved                |                         | µg/l                  |                               |   |  |                               |
|                     | Magnesium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                     | Manganese, Dissolved           |                         | µg/l                  |                               |   |  |                               |
|                     | Molybdenum, Dissolved          |                         | µg/l                  |                               |   |  |                               |
|                     | Nickel, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                     | Selenium Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                     | Vanadium, Dissolved            | 60                      | 10 µg/l               |                               |   |  |                               |
|                     | Mercury, Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                     | Total Alkalinity as CaCO3      |                         | mg/l                  |                               |   |  |                               |
|                     | Electrical Conductivity at 20C |                         | mS/cm                 |                               |   |  |                               |
|                     | Potassium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                     | Sodium, Dissolved              |                         | mg/l                  |                               |   |  |                               |
|                     | Sulphate, Dissolved            | 400                     | 1190 mg/l             |                               |   |  |                               |
|                     | Total Oxidised Nitrogen        |                         | mg/l                  |                               |   |  |                               |
|                     | Chloride                       |                         | mg/l                  |                               |   |  |                               |
|                     | Fluoride                       |                         | mg/l                  |                               |   |  |                               |
|                     | Ammoniacal Nitrogen            | 0.6                     | 6 mg/l                |                               |   |  |                               |
|                     | Total Organic Carbon           |                         | mg/l                  |                               |   |  |                               |
|                     | Nitrate                        |                         | mg/l                  |                               |   |  |                               |
|                     | pH                             | <9                      | 8 pH Units            |                               |   |  |                               |

| Emission point      | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|---------------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| Settlement<br>Ponds | Aluminium, Dissolved           |                         | µg/l                  |                               | 30/06/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                     | Antimony, Dissolved            |                         | µg/l                  |                               |   |  |                               |
|                     | Arsenic Dissolved              | 50                      | 3.5 µg/l              |                               |   |  |                               |
|                     | Boron, Dissolved               | 2000                    | 1800 µg/l             |                               |   |  |                               |
|                     | Cadmium, Dissolved             | 5                       | 0.02 µg/l             |                               |   |  |                               |
|                     | Calcium, Dissolved             |                         | mg/l                  |                               |   |  |                               |
|                     | Chromium, Dissolved            | 50                      | 27 µg/l               |                               |   |  |                               |
|                     | Copper, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                     | Iron, Dissolved                |                         | µg/l                  |                               |   |  |                               |
|                     | Magnesium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                     | Manganese, Dissolved           |                         | µg/l                  |                               |   |  |                               |
|                     | Molybdenum, Dissolved          |                         | µg/l                  |                               |   |  |                               |
|                     | Nickel, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                     | Selenium Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                     | Vanadium, Dissolved            | 60                      | 9.9 µg/l              |                               |   |  |                               |
|                     | Mercury, Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                     | Total Alkalinity as CaCO3      |                         | mg/l                  |                               |   |  |                               |
|                     | Electrical Conductivity at 20C |                         | mS/cm                 |                               |   |  |                               |
|                     | Potassium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                     | Sodium, Dissolved              |                         | mg/l                  |                               |   |  |                               |
|                     | Sulphate, Dissolved            | 400                     | 1110 mg/l             |                               |   |  |                               |
|                     | Total Oxidised Nitrogen        |                         | mg/l                  |                               |   |  |                               |
|                     | Chloride                       |                         | mg/l                  |                               |   |  |                               |
|                     | Fluoride                       |                         | mg/l                  |                               |   |  |                               |
|                     | Ammoniacal Nitrogen            | 0.6                     | 4.77 mg/l             |                               |   |  |                               |
|                     | Total Organic Carbon           |                         | mg/l                  |                               |   |  |                               |
|                     | Nitrate                        |                         | mg/l                  |                               |   |  |                               |
|                     | pH                             | <9                      | 7.30 pH Units         |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| DP2            | Aluminium, Dissolved           |                         | <10 µg/l              |                               | 14/01/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                | Antimony, Dissolved            |                         | <1 µg/l               |                               |   |  |                               |
|                | Arsenic Dissolved              |                         | 1.1 µg/l              |                               |   |  |                               |
|                | Boron, Dissolved               |                         | 490 µg/l              |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         | <2 µg/l               |                               |   |  |                               |
|                | Calcium, Dissolved             |                         | 260 mg/l              |                               |   |  |                               |
|                | Chromium, Dissolved            |                         | 7.1 µg/l              |                               |   |  |                               |
|                | Copper, Dissolved              |                         | 2.5 µg/l              |                               |   |  |                               |
|                | Iron, Dissolved                |                         | <30 µg/l              |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         | 30 mg/l               |                               |   |  |                               |
|                | Manganese, Dissolved           |                         | 19 µg/l               |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         | 1400 µg/l             |                               |   |  |                               |
|                | Nickel, Dissolved              |                         | 7.5 µg/l              |                               |   |  |                               |
|                | Selenium Dissolved             |                         | 18 µg/l               |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         | 2.2 µg/l              |                               |   |  |                               |
|                | Mercury, Dissolved             |                         | <0.01 µg/l            |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         | 250 mg/l              |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         | 2600 mS/cm            |                               |   |  |                               |
|                | Potassium, Dissolved           |                         | 28 mg/l               |                               |   |  |                               |
|                | Sodium, Dissolved              |                         | 290 mg/l              |                               |   |  |                               |
|                | Sulphate, Dissolved            |                         | 340 mg/l              |                               |   |  |                               |
|                | Total Oxidised Nitrogen        |                         | 19 mg/l               |                               |   |  |                               |
|                | Chloride                       |                         | 540 mg/l              |                               |   |  |                               |
|                | Fluoride                       |                         | 0.16 mg/l             |                               |   |  |                               |
|                | Ammoniacal Nitrogen            |                         | 2.2 mg/l              |                               |   |  |                               |
|                | Total Organic Carbon           |                         | 1.7 mg/l              |                               |   |  |                               |
|                | Nitrate                        |                         | 0 mg/l                |                               |   |  |                               |
|                | pH                             |                         | 7.30 pH Units         |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| DP2            | Aluminium, Dissolved           |                         | 13 µg/l               |                               | 19/02/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                | Antimony, Dissolved            |                         | <1 µg/l               |                               |   |  |                               |
|                | Arsenic Dissolved              |                         | 1.9 µg/l              |                               |   |  |                               |
|                | Boron, Dissolved               |                         | 830 µg/l              |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         | <5 µg/l               |                               |   |  |                               |
|                | Calcium, Dissolved             |                         | 290 mg/l              |                               |   |  |                               |
|                | Chromium, Dissolved            |                         | 13 µg/l               |                               |   |  |                               |
|                | Copper, Dissolved              |                         | 1.7 µg/l              |                               |   |  |                               |
|                | Iron, Dissolved                |                         | <30 µg/l              |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         | 40 mg/l               |                               |   |  |                               |
|                | Manganese, Dissolved           |                         | 26 µg/l               |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         | 2300 µg/l             |                               |   |  |                               |
|                | Nickel, Dissolved              |                         | 11 µg/l               |                               |   |  |                               |
|                | Selenium Dissolved             |                         | 28 µg/l               |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         | 3.5 µg/l              |                               |   |  |                               |
|                | Mercury, Dissolved             |                         | <0.01 µg/l            |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         | 220 mg/l              |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         | 2900 mS/cm            |                               |   |  |                               |
|                | Potassium, Dissolved           |                         | 35 mg/l               |                               |   |  |                               |
|                | Sodium, Dissolved              |                         | 340 mg/l              |                               |   |  |                               |
|                | Sulphate, Dissolved            |                         | 550 mg/l              |                               |   |  |                               |
|                | Total Oxidised Nitrogen        |                         | 27 mg/l               |                               |   |  |                               |
|                | Chloride                       |                         | 550 mg/l              |                               |   |  |                               |
|                | Fluoride                       |                         | 0.2 mg/l              |                               |   |  |                               |
|                | Ammoniacal Nitrogen            |                         | 3.9 mg/l              |                               |   |  |                               |
|                | Total Organic Carbon           |                         | 1.7 mg/l              |                               |   |  |                               |
|                | Nitrate                        |                         | 0 mg/l                |                               |   |  |                               |
|                | pH                             |                         | 7.50 pH Units         |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup>         | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-------------------------------|-------------------------------|---|--|-------------------------------|
| DP2            | Aluminium, Dissolved           |                         | No Samples Taken Due Covid-19 |                               | March                                   | Sampling Station/Testing<br>EA NLS             |                               |
|                | Antimony, Dissolved            |                         |                               |                               |   |  |                               |
|                | Arsenic Dissolved              |                         |                               |                               |   |  |                               |
|                | Boron, Dissolved               |                         |                               |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         |                               |                               |   |  |                               |
|                | Calcium, Dissolved             |                         |                               |                               |   |  |                               |
|                | Chromium, Dissolved            |                         |                               |                               |   |  |                               |
|                | Copper, Dissolved              |                         |                               |                               |   |  |                               |
|                | Iron, Dissolved                |                         |                               |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         |                               |                               |   |  |                               |
|                | Manganese, Dissolved           |                         |                               |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         |                               |                               |   |  |                               |
|                | Nickel, Dissolved              |                         |                               |                               |   |  |                               |
|                | Selenium Dissolved             |                         |                               |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         |                               |                               |   |  |                               |
|                | Mercury, Dissolved             |                         |                               |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         |                               |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         |                               |                               |   |  |                               |
|                | Potassium, Dissolved           |                         |                               |                               |   |  |                               |
|                | Sodium, Dissolved              |                         |                               |                               |   |  |                               |
|                | Sulphate, Dissolved            |                         |                               |                               |   |  |                               |
|                | Total Oxidised Nitrogen        |                         |                               |                               |   |  |                               |
|                | Chloride                       |                         |                               |                               |   |  |                               |
|                | Fluoride                       |                         |                               |                               |   |  |                               |
|                | Ammoniacal Nitrogen            |                         |                               |                               |   |  |                               |
|                | Total Organic Carbon           |                         |                               |                               |   |  |                               |
|                | Nitrate                        |                         |                               |                               |   |  |                               |
|                | pH                             |                         |                               |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup>         | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-------------------------------|-------------------------------|---|--|-------------------------------|
| DP2            | Aluminium, Dissolved           |                         | No Samples Taken Due Covid-19 |                               | April                                   | Sampling Station/Testing<br>EA NLS             |                               |
|                | Antimony, Dissolved            |                         |                               |                               |   |  |                               |
|                | Arsenic Dissolved              |                         |                               |                               |   |  |                               |
|                | Boron, Dissolved               |                         |                               |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         |                               |                               |   |  |                               |
|                | Calcium, Dissolved             |                         |                               |                               |   |  |                               |
|                | Chromium, Dissolved            |                         |                               |                               |   |  |                               |
|                | Copper, Dissolved              |                         |                               |                               |   |  |                               |
|                | Iron, Dissolved                |                         |                               |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         |                               |                               |   |  |                               |
|                | Manganese, Dissolved           |                         |                               |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         |                               |                               |   |  |                               |
|                | Nickel, Dissolved              |                         |                               |                               |   |  |                               |
|                | Selenium Dissolved             |                         |                               |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         |                               |                               |   |  |                               |
|                | Mercury, Dissolved             |                         |                               |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         |                               |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         |                               |                               |   |  |                               |
|                | Potassium, Dissolved           |                         |                               |                               |   |  |                               |
|                | Sodium, Dissolved              |                         |                               |                               |   |  |                               |
|                | Sulphate, Dissolved            |                         |                               |                               |   |  |                               |
|                | Total Oxidised Nitrogen        |                         |                               |                               |   |  |                               |
|                | Chloride                       |                         |                               |                               |   |  |                               |
|                | Fluoride                       |                         |                               |                               |   |  |                               |
|                | Ammoniacal Nitrogen            |                         |                               |                               |   |  |                               |
|                | Total Organic Carbon           |                         |                               |                               |   |  |                               |
|                | Nitrate                        |                         |                               |                               |   |  |                               |
|                | pH                             |                         |                               |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| DP2            | Aluminium, Dissolved           |                         | µg/l                  |                               | 02/06/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                | Antimony, Dissolved            |                         | µg/l                  |                               |   |  |                               |
|                | Arsenic Dissolved              |                         | 3.4 µg/l              |                               |   |  |                               |
|                | Boron, Dissolved               |                         | 2000 µg/l             |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         | 0.02 µg/l             |                               |   |  |                               |
|                | Calcium, Dissolved             |                         | mg/l                  |                               |   |  |                               |
|                | Chromium, Dissolved            |                         | 34 µg/l               |                               |   |  |                               |
|                | Copper, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                | Iron, Dissolved                |                         | µg/l                  |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                | Manganese, Dissolved           |                         | µg/l                  |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         | µg/l                  |                               |   |  |                               |
|                | Nickel, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                | Selenium Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         | 9.1 µg/l              |                               |   |  |                               |
|                | Mercury, Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         | mg/l                  |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         | mS/cm                 |                               |   |  |                               |
|                | Potassium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                | Sodium, Dissolved              |                         | mg/l                  |                               |   |  |                               |
|                | Sulphate, Dissolved            |                         | 1200 mg/l             |                               |   |  |                               |
|                | Total Oxidised Nitrogen        |                         | mg/l                  |                               |   |  |                               |
|                | Chloride                       |                         | mg/l                  |                               |   |  |                               |
|                | Fluoride                       |                         | mg/l                  |                               |   |  |                               |
|                | Ammoniacal Nitrogen            |                         | 12.6 mg/l             |                               |   |  |                               |
|                | Total Organic Carbon           |                         | mg/l                  |                               |   |  |                               |
|                | Nitrate                        |                         | mg/l                  |                               |   |  |                               |
|                | pH                             |                         | 7.80 pH Units         |                               |   |  |                               |

| Emission point | Substance/<br>Parameter        | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|----------------|--------------------------------|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
| DP2            | Aluminium, Dissolved           |                         | µg/l                  |                               | 30/06/2020                              | Sampling Station/Testing<br>EA NLS             |                               |
|                | Antimony, Dissolved            |                         | µg/l                  |                               |   |  |                               |
|                | Arsenic Dissolved              |                         | 6.70 µg/l             |                               |   |  |                               |
|                | Boron, Dissolved               |                         | 2700.00 µg/l          |                               |   |  |                               |
|                | Cadmium, Dissolved             |                         | 0.02 µg/l             |                               |   |  |                               |
|                | Calcium, Dissolved             |                         | mg/l                  |                               |   |  |                               |
|                | Chromium, Dissolved            |                         | 64.00 µg/l            |                               |   |  |                               |
|                | Copper, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                | Iron, Dissolved                |                         | µg/l                  |                               |   |  |                               |
|                | Magnesium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                | Manganese, Dissolved           |                         | µg/l                  |                               |   |  |                               |
|                | Molybdenum, Dissolved          |                         | µg/l                  |                               |   |  |                               |
|                | Nickel, Dissolved              |                         | µg/l                  |                               |   |  |                               |
|                | Selenium Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                | Vanadium, Dissolved            |                         | 19.00 µg/l            |                               |   |  |                               |
|                | Mercury, Dissolved             |                         | µg/l                  |                               |   |  |                               |
|                | Total Alkalinity as CaCO3      |                         | mg/l                  |                               |   |  |                               |
|                | Electrical Conductivity at 20C |                         | mS/cm                 |                               |   |  |                               |
|                | Potassium, Dissolved           |                         | mg/l                  |                               |   |  |                               |
|                | Sodium, Dissolved              |                         | mg/l                  |                               |   |  |                               |
|                | Sulphate, Dissolved            |                         | 1410.00 mg/l          |                               |   |  |                               |
|                | Total Oxidised Nitrogen        |                         | mg/l                  |                               |   |  |                               |
|                | Chloride                       |                         | mg/l                  |                               |   |  |                               |
|                | Fluoride                       |                         | mg/l                  |                               |   |  |                               |
|                | Ammoniacal Nitrogen            |                         | 23.30 mg/l            |                               |   |  |                               |
|                | Total Organic Carbon           |                         | mg/l                  |                               |   |  |                               |
|                | Nitrate                        |                         | mg/l                  |                               |   |  |                               |
|                | pH                             |                         | 7.30 pH Units         |                               |   |  |                               |

[1] The result given is the maximum value (or the minimum value in the case of a limit that is fdpressed as a minimum) obtained during the reporting period, fdpressed in the same terms as the

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the

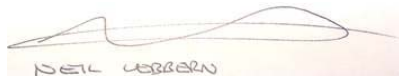
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

| Substance/<br>Emission point Parameter | Emission Limit<br>Value | Result <sup>[1]</sup> | Test<br>Method <sup>[2]</sup> | Sample<br>Date and Times <sup>[3]</sup> | Accreditation/<br>Certification <sup>[4]</sup> | Uncertainty<br><sup>[5]</sup> |
|--|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|
|--|-------------------------|-----------------------|-------------------------------|---|--|-------------------------------|

[6] The emission limit values for all substances is fdpressed as a maximum individual value, unless otherwise stated.



Signed ..... Date 16/07/2020

(authorised to sign as representative of the Operator)