

**Permit Reference Number:** BR9715IB

**Operator:** Solutia UK Ltd

**Installation:** Newport Chemical Complex

**Form Number:** W1

**Reporting of Emissions to Estuary for the period from: 01/01/19 to 31/03/19**

| Emission Point | Substance / Parameter                 | Emission Limit Value        | Result Max <sup>[1]</sup> | Result Mean <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times    | Accreditation/ Certification | Uncertainty |
|----------------|---------------------------------------|-----------------------------|---------------------------|----------------------------|----------------------------|--------------------------|------------------------------|-------------|
| W1             | Benzene                               | 20 kg <sup>[1]</sup>        | 4.4                       | 0.7                        | GC/MS                      | Weekly composite         | ---                          | 10%         |
|                | Biphenyl                              | 20 kg <sup>[1]</sup>        | 1.7                       | 0.3                        | GC/MS                      |                          | ---                          | 10%         |
|                | Triphenyl (kg)                        | -                           | 2.6                       | 0.6                        | GC/MS                      |                          | ---                          | 10%         |
|                | Formaldehyde                          | 10 mg/l                     | 5.0                       | 2.6                        | HPLC                       | Weekly composite         | ---                          | >20%        |
|                | COD                                   | 65000 kg / week             | 56736                     | 35646                      | Spectrophoto-metric        | Weekly composite         | Aquacheck                    | 4%          |
|                | Max volume of effluent <sup>[4]</sup> | 25000 m <sup>3</sup> / week | 23907 (9753)              | 17874 (7717)               | Electronic counter         | Quarterly Total          | MCerts                       |             |
|                | pH                                    | 5-10                        | 6.6 - 7.3                 | 7.0                        | pH Probe                   | Continuous + Composite   | ---                          | TBC         |
|                | Cadmium                               | 50 g                        | 1.5                       | 1.3                        | ICP/MS                     | Monthly (wkly composite) | NAMAS                        | TBC         |
|                |                                       | 3.5 u/l                     | 0.08                      | 0.08                       |                            |                          |                              |             |
|                | Mercury                               | 27 g                        | 6.6                       | 2.5                        | FIMS (AA)                  | Weekly composite         | Aquacheck                    | 13%         |
|                |                                       | 1.5 ug/l                    | 0.4                       | 0.2                        |                            |                          |                              |             |
|                | PCBs                                  | 100 g                       | 24.3                      | 9.4                        | GC/MS                      |                          | Aquacheck                    | 10%         |
|                | PCP                                   | 250 g                       | 359 <sup>[5]</sup>        | 188                        | GC/MS                      |                          | Aquacheck                    | 10%         |
|                | TCB                                   | 50 g                        | 8.5                       | 3.9                        | GC/MS                      |                          | Aquacheck                    | 10%         |

**NOTES:**

[1] Mean weekly in the quarter

[2] Test Methods TBC following issue of new Permit Variation

[3] Limit change from 150 to 15 ug/l [as of Q4/2015]

[4] Total MCerts Flow (inc. rainfall), and Indicative Effluent Flow

[5] Part A Notification Submitted

**Signed \*:**



**Date:** 25/04/2019

(\* authorised to sign as representative of the Operator)

**Date of Form:** 31/03/11 [Updated 25/04/19]