

**Permit Reference Number:** BR9715IB  
**Operator:** Solutia UK Ltd  
**Installation:** Newport Chemical Complex

**Form Number:** W1

**Reporting of Emissions to Estuary for the period from: 01/04/21 to 30/06/21**

| 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> | 0.0                       | 0.0                        | GC/MS                      | Weekly composite         | ---                          | 10%         |
|                | Biphenyl                              | 20 kg <sup>[1]</sup> | 0.8                       | 0.1                        | GC/MS                      |                          | ---                          | 10%         |
|                | Triphenyl (kg)                        | -                    | 2.1                       | 0.3                        | GC/MS                      |                          | ---                          | 10%         |
|                | Formaldehyde                          | 10 mg/l              | 1.3                       | 0.7                        | HPLC                       | Weekly composite         | ---                          | >20%        |
|                | COD                                   | 65000 kg / week      | 51151                     | 40274                      | Spectrophoto-metric        | Weekly composite         | Aquacheck                    | 4%          |
|                | Max volume of effluent <sup>[2]</sup> | 25000 m³/ week       | 30958 (12206)             | 19148 (9374)               | Electronic counter         | Quarterly Total          | MCerts                       | <8%         |
|                | pH                                    | 5-10                 | 6.2 – 8.4                 | 7.0                        | pH Probe                   | Continuous + Composite   | ---                          | TBC         |
|                | Cadmium <sup>[3]</sup>                | 50 g                 | 3.4                       | 2.5                        | ICP/MS                     | Monthly (wkly composite) | NAMAS                        | TBC         |
|                |                                       | 3.5 ug/l             | 0.2                       | 0.1                        |                            |                          |                              |             |
|                | Mercury                               | 27 g                 | 13.6                      | 4.5                        | FIMS (AA)                  | Weekly composite         | Aquacheck                    | 13%         |
|                |                                       | 1.5 ug/l             | 0.5                       | 0.2                        |                            |                          |                              |             |
|                | PCBs                                  | 100 g                | 14.1                      | 8.4                        | GC/MS                      |                          | Aquacheck                    | 10%         |
|                | PCP                                   | 250 g                | 170                       | 54                         | GC/MS                      |                          | Aquacheck                    |             |
|                |                                       | 15 ug/l              | 5.5                       | 2.5                        |                            |                          |                              | 10%         |
|                | TCB                                   | 50 g                 | 4.6                       | 2.9                        | GC/MS                      |                          | Aquacheck                    |             |
| 20 ug/l        |                                       | 0.2                  | 0.2                       | 10%                        |                            |                          |                              |             |

**NOTES:**

[1] Mean weekly in the quarter

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

[3] Results updated following retest

**Signed \*:**



**Date:** 26/07/2021

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

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