

Permit Reference Number: NP 3433 BC

Operator: Convatec Limited

Installation: Convatec Rhymney Hydrocel Plant

Form Number: A1

Reporting of Emissions to Air for the period from 01 JAN 2015 to 31 MAR 2015

| Emission Point | Substance / Parameter            | Emission Limit Value | Result [1]            | Test Method [2] [6] | Sample Date and Times [3] | Accreditation/ Certification [4] | Uncertainty [5] |
|----------------|----------------------------------|----------------------|-----------------------|---------------------|---------------------------|----------------------------------|-----------------|
| A1             | VOC <sup>a</sup><br>(continuous) | -                    | 603 mg/m <sup>3</sup> | CEM<br>FID          | 19:11 hrs<br>18/02/2015   | MCERT                            | ± 2%            |
| A1             | VOC <sup>a</sup><br>(extractive) | -                    | —                     | —                   | —                         | —                                | —               |

Note a: Expressed as Total Carbon

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.

[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 appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[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.

[6] Monitoring methods and schedules to be agreed in writing by the Environment Agency on completion of Improvement Programme items IP6, IP7 and IP8, when the Environment Agency will also set Emission Limit Values for these Release Points by varying the Conditions of the Permit. The reference measurements used shall be agreed in writing by the Agency.

Signed V. P. Richards  
(Authorised to sign as representative of the Operator)

Date: 08 APR 2015

Permit Reference Number: NP 3433 BC

Operator: Convatec Limited

Installation: Convatec Rhymney Hydrocel Plant

Form Number: S1

**Reporting of Emissions to Sewer for the period from** 01 JAN 2015 **to** 31 MAR 2015

| Emission Point | Substance / Parameter | Emission Limit Value | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Accreditation/ Certification <sup>[4]</sup> | Uncertainty <sup>[5]</sup> |
|----------------|-----------------------|----------------------|-----------------------|----------------------------|--------------------------------------|---------------------------------------------|----------------------------|
| S1             | pH                    | 6-11                 | 7.1                   | WAS 039                    | 13 FEB 2015 09:00 am                 | UKAS                                        | $\pm 2.85\% \pm 1.39\%$    |
| S1             | COD                   | 4000mg/l             | 67 mg/l               | WAS 040                    | 13 FEB 2015 09:00 am                 | UKAS                                        | $\pm 5.07\% \pm 2.36\%$    |
| S1             | Suspended solids      | 1000mg/l             | 16 mg/l               | WAS 006                    | 09 JAN 2015 09:00 am                 | UKAS                                        | $\pm 19.93\%$              |

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.

[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 appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[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 process operating time covered by the monitoring is given.

[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

Signed VS Rice Date 08 APR 2015  
(Authorised to sign as representative of the Operator)

Permit Reference Number: NP 3433 BC

Operator: Convatec Limited

Installation: Convatec Rhymney Hydrocel Plant

Form Number: SED1

**Reporting of Solvent Emissions for the period from** 01 JAN 2015 **to** 31 MAR 2015

| Emission Point                                                          | Substance / Parameter | Emission Limit Value       | Result <sup>[1]</sup> |
|-------------------------------------------------------------------------|-----------------------|----------------------------|-----------------------|
| All emissions (including fugitive, excluding solvent sent for recovery) | VOC                   | <5% of total solvent input | 1.6 % By mass Balance |

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.

Signed K. Richards  
(Authorised to sign as representative of the Operator)

Date 08 APR 2015