

Permit Reference Number: NP 3433 BC

Operator: ConvaTec Limited

Installation: ConvaTec Rhymney Hydrocel Plant

Form Number: A1 v2017

Reporting of Emissions to Air for the period from: 01 January 2019 to 31 March 2019

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 ^a (continuous)	-	N/A	CEM FID	N/A	MCERT	±2%
A1	VOC ^a (extractive)	-	N/A	BS EN 12619:2013 CAT-TP-20	N/A	MCERT/ISO17025	2.1 mgC/m ³

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
(Authorised to sign as representative of the Operator)

Date: 01/04/2019

Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Test Method [2] [6]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]
A1A	VOC ^a (extractive)	20mg/m ³	0.3	BS EN 12619	21/03/2019 13:35 -14:35	MCERT / ISO 17025	± 0.4
A1A	Oxides of Nitrogen ^a (extractive)	50mg/m ³	2.0	BS EN 14792	21/03/2019 13:35 -14:35	MCERT / ISO 17025	± 1.3
A1A	Carbon Monoxide ^a (extractive)	100mg/m ³	2.7	BS EN 15058	21/03/2019 13:35 -14:35	MCERT / ISO 17025	± 1.2

***Results shown updated to Reference Conditions: temperature 273 K (0°C), pressure 101.3 kPa (1 atmosphere), no correction for water vapour or oxygen.**

**** Added new reporting requirements, to previous report as new reporting templates for A1A not yet issued.**

Note a: Expressed as Total Carbon

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[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  (Authorised to sign as representative of the Operator)

Date: 01/04/2019

Permit Reference Number: NP 3433 BC

Operator: ConvaTec Limited

Installation: ConvaTec Rhymney Hydrocel Plant

Form Number: S1 v2017

Reporting of Emissions to Sewer for the period from: 01 January 2019 to 31 March 2019

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	pH	6-11	6.7	WAS 039	08 March 2019	UKAS/ISO17025	±2.85 to ±1.39%
S1	COD	4000mg/l	98	WAS 040	08 March 2019	UKAS/ISO17025	±5.07 to ±2.36%
S1	Suspended solids	1000mg/l	6	WAS 006	08 March 2019	UKAS/ISO17025	±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 
(Authorised to sign as representative of the Operator)

Date: 01/04/2019

Operator: ConvaTec Limited

Form Number: SED1 v2017

Reporting of Solvent Emissions for the period from: 01 January 2019 to 31 March 2019

Emission Point	Substance / Parameter	Emission Limit Value	Result [1]
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.

Date 01/04/2019