

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 OCT 2014 **to** 31 DEC 2014

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	7.3	WAS 039	24 OCT 2014 9:00 am	UKAS	$\pm 2.85\%$
S1	COD	4000mg/l	59 mg/l	WAS 040	05 DEC 2014 9:00 am	UKAS	$\pm 5.07\%$
S1	Suspended solids	1000mg/l	24 mg/l	WAS 006	31 OCT 2014 9:00 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
(Authorised to sign as representative of the Operator)

Date 27 JAN 2015

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 OCT 2014 **to** 31 DEC 2014

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)	-	488 mg/m ³	CEM - FID BS EN 12619	04:49 - 22 NOV 2014	MCERT	± 2%
A1	VOC ^a (extractive)	-	358 mg/m ³	BS EN 12619	13 NOV 2014 11:33 - 15:32	UKAS/MCERTS	± 4%

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.

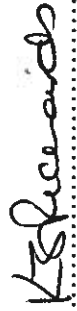
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

[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 27 JAN 2015

ConvaTec
Permit No
Variation No
Report Ref

: NP3433BC & TP3355LH
: ...
: P2121 : R001

Installation Name : Bioscrubber Stack & Spin Line
Visit Details : Annual Compliance
Survey Dates : 11th & 13th November 2014
Report Issue Date : 19th December 2014

1.1 Monitoring Results

Emission Point Reference (NP3433BC)	Substance to be Monitored	Emission Limit Value	Periodic Monitoring Result	Units	Uncertainty	Reference Conditions	Date of Sampling	Start and End Times	Monitoring Method Reference	Accreditation for use of Method	Tick if non-conforming test (see Sections 2 & 5)	Operating Status
A1 Bioscrubber Stack	TVOC as Carbon	...	358.98	mgC/m ³	4	273 K, 101.3 kPa Wet Gas	13/11/2014	11:33 – 15:32	BS EN 12619:2013	UKAS / MCERTS		Normal

Notes

The average figure presented in the table above for TVOC is the average result over the 4 hr sample period.

The uncertainty figures presented in Table 1.1 TVOC are "measurement uncertainty" figures, which do not take into account the variability of the measured sample values. The "uncertainty of measurement results" figures, which do include this contribution, are presented in the appendices of the report for these determinands.

Emission Limit Value

Periodic Monitoring Result

Uncertainty

Reference Conditions

Monitoring Method Reference

Accreditation for use of Method

Operating Status

NU

NA

The emission limit value is that stated in the permit and will be expressed as a concentration or a mass emission.

The result given is expressed in the same terms and units as the emission limit value.

The uncertainty associated with the quoted result is at the 95% confidence interval. The Uncertainty results **DO NOT** take into account the effect of the sample location limitations.

All results are expressed at 273 K and 101.3kPa. The oxygen and moisture corrections are stated.

The method stated is in accordance with the Environment Agency Technical Guidance Note M2, or other method approved by the Environment Agency.

The details indicate the accreditation for the use of the complete monitoring method, e.g. MCERTS, UKAS. If use of the method is not accredited "NA" is stated.

The details indicate the feedstock and the loading rate of the plant during monitoring.

Chemical Analysis on sample reagents was performed by an External Laboratory as detailed in Section 4

UKAS Accreditation Held but UKAS Accreditation cannot be claimed for the test as sampling did not comply with the Standard Reference Method (SRM), see section 2 & 5

Method is NOT UKAS Accredited.