

Permit Number: TP3535LH Operator: ConvaTec Limited
 Installation: Rhymney Alginates Fibre Plant Form Number: Sewer 1 / 16.10.2006
 Reporting of emissions to sewer for the three month period from 01 OCT 2014 to 31 DEC 2014

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
S1	Flow (m ³ /day)	-	Average over 3 month period	22.8 m ³ /day	BS3680 series	—	—
S1	Acetone (mg/l)	-	Spot sample	#	SCA Blue book 170	—	—
S1	Dichloromethane	1.0 mg/l	Spot sample	#	BS EN ISO10301:1997	—	—

- [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 uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

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

Date: 27 JAN 2015

Acetone no longer used.
 # Dichloromethane no longer a Determinand in WW reports.

Permit Number: TP3535LH Operator: ConvaTec Limited

Installation: Rhymney Alginiate Fibre Plant Form Number: Air1 / 16.10.2006

Reporting of emissions to air for the three month period from 01 OCT 14 to 31 DEC 14

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1	Total Organic Carbon (TOC)	- (1)	Hourly averages over a 4-hour period	64/78/90/92 mgC/m ³	BS EN 13526:2002	13 NOV 2014 09:00 - 12:59	4%
A2	Total Organic Carbon (TOC)	- (1)	Hourly averages over a 4-hour period	243/247/251/244 mgC/m ³	BS EN 13526:2002	11 NOV 2014 09:00 - 12:59	3%
A3	Total Organic Carbon (TOC)	- (1)	Hourly averages over a 4-hour period	173/141/134/136 mgC/m ³	BS EN 13526:2002	11 NOV 2014 09:00 - 12:59	3%

(BS EN 12619:2013)

[1] Each hourly average to be reported.

[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.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

K. P. Jones

Signed
(Authorised to sign as representative of Operator)

Date: 27 JAN 2015

Environmental Compliance Limited

ConvaTec : NP3433BC & TP3535LH : Bioscrubber Slack & Spin Line
 Permit No : ... : Annual Compliance
 Variation No : P2121 : R001 : 11th & 13th November 2014
 Report Ref : : 19th December 2014

Emission Point Reference (TP3535LH)	Substance to be Monitored	Emission Limit Value	Periodic Monitoring Result	Units	Uncertainty %	Reference Conditions 273 K, 101.3 kPa	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	TVOC as Carbon	...	91.72	mgC/m ³	4	Wet Gas	13/11/2014	09:00 – 12:59	BS EN 12619:2013	UKAS / MCERTS		Normal
A2	TVOC as Carbon	...	263.67	mgC/m ³	3	Wet Gas	11/11/2014	09:00 – 12:59	BS EN 12619:2013	UKAS / MCERTS		
A3	TVOC as Carbon	...	173.45	mgC/m ³	3	Wet Gas		09:00 – 12:59	BS EN 12619:2013	UKAS / MCERTS		

Notes

For TVOC, permit requires data to be reported as hourly averages.

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

All other hour averages are presented in the tables section in the appendices of this report.

The uncertainty figures presented for 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

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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.