

Operator: Kimberly-Clark Limited

Form Number: Air1

to June 13

Air Emissions data Required Q2 and Q4 only

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- % confidence interval, unless otherwise stated.

Date...8/7/13.....

INITIALS DATE

CHALLENGE

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Permit Number: BJ9703IM
 Facility: Flint Paper Mill
 Operator: Kimberly – Clark Limited
 Form Number: Water1 / 26/09/11

Reporting of emissions to water (other than to sewer) and land for the period from

July to Sept 2013

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
W2	Biological Oxygen Demand	70 mg/l	Tidal flow proportional sample	12.8 mg/l	EA NLS Lab Test Code 1 SX BOD or NM BOD – 5 day, 2 ATU – by automated DO probe.	4/7/13 @ 09:49	
W2	Ammonia	8 mg/l	Tidal flow proportional sample	10 mg/l	SCA Blue Book 48. BS 6068-2.11, ISO 7150-1	19/7/13 @ 22:05	
W2	Chemical Oxygen Demand	No limit set	Spot sample	198 mg/l	Blue Book 215, BS ISO 15705:2002. BS 6068-2.34	12/8/13 @ 03:25	
W2	Suspended solids	80 mg/l	Tidal flow proportional sample	68 mg/l	BS EN 872:2005, SCA Blue Book 105	17/9/13 @ 23:07	
W2	Total Mercury and its compounds	0.1 ug/l	Tidal flow proportional sample	Below limit of detection (<0.01ug/l)	EA NLS Lab Test Code 247	13/8/13 @ 04:04	
W2	Pentachloropheno l (PCP) and its compounds	4 ug/l	Tidal flow proportional sample	0.51 ug/l	EA NLS Lab Test Code 62	13/8/13 @ 04:04	
W2	Total Cadmium and its compounds	0.3ug/l	Tidal flow proportional sample	Below limit of detection (<0.1 ug/l)	EA NLS Lab Test Code 34	13/8/13 @ 04:04	
W2	pH	5 - 9	Instantaneous	7.12 – 8.08	BS EN 06068-2.50:1995	3/8/13 @ 10:21 5/9/13 @ 13:05	
W2	Dangerous Substance screen	No limit set	Tidal flow proportional sample	Non Detected	GC/MS analysis to be carried out by UKAS accredited laboratory	17/7/13 @ 6:19	
W2	Temperature	Maximum Temperature 30°C	Instantaneous	33°C	Standard temperature sensor	5/7/13 @ 23:54	
W2	Flow	500 l/second	Instantaneous	413.9 l/second	MCERTS self monitoring of effluent flow scheme	14/8/13 @ 04:50	

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
W2	Total Nitrogen	No limit set	Tidal flow proportional sample	16.8 mg/l	EA NLS Lab Test Code 387 SX Total Nitrogen or NM Nitrogen – digested, determined colorimetrically by auto analyser.	25/9/13 @ 16:00	
W2	Total Phosphorous	No limit set	Tidal flow proportional sample	0.513 mg/l	EA NLS Lab Test Code 234 SX Total Phosphorous or NM Total Phosphorous – digested, determined colorimetrically by auto analyser.	11/9/13 @ 16:10	
W2	AOx	No limit set	Tidal flow proportional sample	56ug/l	EA NLS Lab Test Code 1295	13/8/13 @ 04:04	
W2	Maximum Tidal Volume	3182 m ³	Time period from high tide to low tide	2560 m ³	MCERTS self monitoring of effluent flow scheme	20/9/13 @ 13:00	
W2	Maximum Daily Volume	6364 m ³	24 hours	3342 m ³	MCERTS self monitoring of effluent flow scheme	8/7/13	

(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 Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example 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 ...Andrew Linkman.....
(Authorised to sign as representative of Kimberly – Clark Limited)

Date...9/10/13.....

Permit Number: BJ9703IM

Operator: Kimberly-Clark Limited

Facility: Flint Paper Mill

Form Number: Performance 1 / 26/09/11

Reporting of other performance indicators for the period July to Sept 2013

Parameter	Units
BOD/ADT	0.1169 kg/ADT
Suspended solids/ADT	0.74 kg/ADT
Total Nitrogen/ADT	0.0789 kg/ADT
Total Phosphorous/ADT	0.0053 kg/ADT
NOx /ADT	0.249 Tonnes/ADT
CO ₂ /ADT	0.504 Tonnes/ADT

Operator's comments :

N0x and C02 calculated using H1 emission factors.

Signed ...Andrew Linkman.....
(Authorised to sign as representative of Kimberly – Clark Limited)

Date...9/10/13.....

Send completed forms to ppc.northwales@environment-agency.gov.uk