25-10-19.

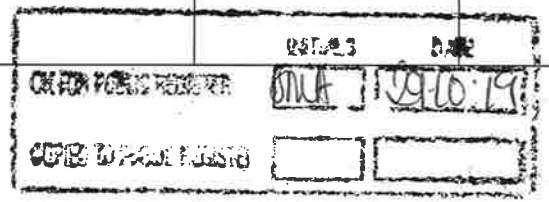
Permit Number: EPR/BJ9703IM **Operator:** Kimberly Clarke Ltd

Facility: Flint Paper Mill **Form Number:** Water1: 10/10/2019

Q3 water

Reporting of emissions to water (other than to sewer) for the period from 01/07/2019 to 30/09/2019

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty/ LOD [4] [5]
W2	Flow Rate	500 litres/ sec	Instantaneous	462.83l/s	MCERTS self-monitoring of effluent flow scheme	20/09/2019 04:02	
W2	Maximum Tidal Volume[6]	2500 m3/day	From 30 mins after high tide for a maximum of 2 hours	1955m3/day	MCERTS self-monitoring of effluent flow scheme	20/09/2019 04:02	
W2	Maximum Daily Volume[6]	5000 m3/day	24 hours	2112m3/day	MCERTS self-monitoring of effluent flow scheme	26/08/2019 08:48	
W2	pH (units)	5 (min) 9 (max)	Instantaneous	7.2 8.74	BS EN 06068-2.50:1995	15/09/2019 01:30 24/09/2019 21:03	
W2	Temperature	Maximum Temperature 30°C	Instantaneous	30°C	Standard temperature sensor	12/09/2019 12:15	
W2	Chemical oxygen demand (COD) 7	No Limit Set	Spot sample	165mg/l	BS 6068-2.34:1998	20/08/2019 15:47	
W2	Biochemical oxygen demand $(BOD)_5$	35 mg/l	Tidal flow proportional sample	5.10mg/l	BS EN 1899-1 (1998)	30/07/2019 11:24	



Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty/ LOD [4] [5]
W2	Total suspended solids	80 mg/l	Tidal flow proportional sample	85mg/l	BS EN 872:2005	06/08/2019 04:35	Part A1B read
W2	AOx	No Limit Set	Tidal flow proportional sample	ug/l Results not back yet		25/09/2019 10:30	
W2	Ammonia as N	4 mg/l	Tidal flow proportional sample	1.12mg/l	BS EN ISO 11732 or ISBN 0117516139	24/08/2019 20:10	
W2	Total nitrogen	No Limit Set	Tidal flow proportional sample	5.4mg/l	BS EN ISO 11905-1:1998, BS 60608-2.62:1998	30/07/2019 11:24	
W2	Total phosphorus	No Limit Set	Tidal flow proportional sample	2.5mg/l	BS EN ISO 15681-1:2004, BS6068-2.86:2006	22/08/2019 04:37	
W2	Metals – Zn, Cu, As, Pb, Ni, Total and dissolved attached	No Limit Set	Tidal flow proportional sample	Samples sent off results not back yet.	Method in accordance with M18 guidance note	20133528_1 - Kimberly-Clark.PDF	
W2	Pentachlorophenol (PCP) and its compounds attached	4 µg/l	Tidal flow proportional sample	ug/l Results not back yet	BS EN 12673:1999	25/09/2019 10:30	Waiting lab result says 0.45ug/l
W2	Priority Hazardous Substances 8	No Limit Set	Tidal flow proportional sample	Samples sent off results not back yet.	GCMS analysis at UKAS accredited laboratory	20133528_1 - Kimberly-Clark.PDF	
W2	Chemical Oxygen Demand (COD)	4.0 kg/t	Annually 9		COD: BS ISO 15705		
W2	Total suspended solids (TSS)	0.4 kg/t	Annually 9		BS EN 872		

W2	Total nitrogen	0.15 kg/t	Annually 9		BS EN 12260		
Emission Point	**Substance / Parameter**	**Emission Limit Value**	**Reference Period**	**Result [1]**	**Test Method [2]**	**Sample Date and Times [3]**	**Uncertainty/ LOD [4] [5]**
W2	Total phosphorus	0.015 kg/t	Annually 9		BS EN ISO 6878 followed by BS EN ISO 15681- 1 Or BS EN ISO 15681- 2		
W2	Adsorbable organically bound halogens (AOX)	0.05 kg/t	Annually 9		AOX = BS EN ISO 9562		

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 Natural Resources Wales 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.
5. In the case of results for the Hazardous pollutants screen supply the quoted Limit of Detection (LOD) with the result.
6. In the case of daily flow supply the maximum and mean figure for each month within the 6 month reporting window.
7. If TOC is already monitored as a key process parameter, there is no need to measure COD, however the correlation between the two parameters must established and checked regularly.
8. Hazardous pollutants screen substances are Anthracene, Brominated diphenyl ether, Cadmium, C10-13 Chloroalkanes, Endosulphan, Hexachlorobenzene, Hexachlorobutadiene, Hexachloro-cyclohexane, Mercury and its compounds, Nonylphenol (4-Nonylphenol), Pentachlorobenzene, Polycyclic aromatic Hydrocarbons (PAHs), Tributyltin compounds (Tributyltin-cation)
9. For integrated or multi product mills where the BAT AEL range has been calculated according to a mixing rule based on their share of the discharge, based on information supplied by the Operator, the Operator must notify the Environment Agency if the product/ raw material mix changes by more than 10% in any direction.

Signed .... Date...25/10/2019.....
(Authorised to sign as representative of Operator)