

Permit Number: PP3238LX Operator: Hexion UK Limited
 Installation: Barry Thermosets Plant Form Number: Water1 / 25/04/2013

Reporting of emissions to water (other than to sewer) for the period from 29/09/2017 to 29/12/2017

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Average Result ^[5]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Daily discharge. Maximum volume of effluent discharged under dry conditions determined by no significant rainfall over the previous 48 hours on the Barry site. discharged.	6800m ³	Instantaneous				05/10/2017 12/10/2017 19/10/2017 26/10/2017 02/11/2017 09/11/2017 16/11/2017 23/11/2017 30/11/2017 07/12/2017 14/12/2017 21/12/2017 28/12/2017	
W1	Daily discharge. Maximum volume of effluent	15900m ³	Instantaneous				As above	
W1	Flow	0.19m ³ /s	Instantaneous				As above	
W1	Monohydric phenol	10mg/l	24-hour flow proportional sample	8	5.2	BS6068-2.12 1990 ISO6439:1990	As above	1.14

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Average Result ^[5]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Total suspended solids	150mg/l	24-hour flow proportional sample	92.4	34.7	BS EN 872 2005 /BS6068-2.54 2005	As above	15.0
W1	Chemical Oxygen Demand	1000mg/l	24-hour flow proportional sample	884	587	BS ISO 15705-2002/BS6068-2.80 2002	As above	164
W1	Methanol	50mg/l	24-hour flow proportional sample	46	11.9	BS EN ISO 15680 2003	As above	7.66
W1	Acrylonitrile	50mg/l	24-hour flow proportional sample	0	0	BS 6068 2.85:2003	As above	0
W1	Free formaldehyde	10mg/l	24-hour flow proportional sample	0	0	BS 2942 App D	As above	0
W1	Styrene	None	24-hour flow proportional sample	n/a	n/a	n/a		
W1	pH	6-9	Instantaneous	7.9	7.6	BS6068-2.50	As above	
W1	Monohydric phenol	10950 kg/year	Annual mass release	1070	-	-	-	
W1	Methanol	43800 kg/year	Annual mass release	2720	-	-	-	
W1	Acrylonitrile	51000 kg/year	Annual mass release	0	-	-	-	
W1	Free formaldehyde	10950 kg/year	Annual mass release	0	-	-	-	

1. The result given is the maximum value obtained during the reporting period (3 months), expressed in the same terms as the emission limit value.
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.
5. An average of the samples taken over the reporting period (every 3 months). This figure is for information only.

A handwritten signature in black ink, appearing to read "J. Bealby". The signature is written in a cursive style with a long horizontal stroke extending to the right.

Signed
(Authorised to sign as representative of Operator)

Date.....31st January 2018