

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 30/09/2016 to 29/12/2016**

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result <sup>[1]</sup>	Average Result <sup>[5]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
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 <sup>3</sup>	Instantaneous	5276	798		06/10/2016 13/10/2016 20/10/2016 27/10/2016 03/11/2016 10/11/2016 17/11/2016 24/11/2016 01/12/2016 08/12/2016 15/12/2016 22/12/2016 29/12/2016	
W1	Daily discharge. Maximum volume of effluent	15900m <sup>3</sup>	Instantaneous	5276	798		As above	
W1	Flow	0.19m <sup>3</sup> /s	Instantaneous	0.061	0.009		As above	
W1	Monohydric phenol	10mg/l	24-hour flow proportional sample	8.00	4.30	BS6068-2.12 1990 ISO6439:1990	As above	1.87

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result <sup>[1]</sup>	Average Result <sup>[5]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
W1	Total suspended solids	150mg/l	24-hour flow proportional sample	80	37.3	BS EN 872 2005 /BS6068-2.54 2005	As above	10.6
W1	Chemical Oxygen Demand	1000mg/l	24-hour flow proportional sample	951	356	BS ISO 15705-2002/BS6068-2.80 2002	As above	124
W1	Methanol	50mg/l	24-hour flow proportional sample	38	11.2	BS EN ISO 15680 2003	As above	7.24
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	1.00	0.1	BS 2942 App D	As above	0.154
W1	Styrene	None	24-hour flow proportional sample	n/a	n/a	n/a	n/a	n/a
W1	pH	6-9	Instantaneous	7.9	7.5	BS6068-2.50	As above	0.107
W1	Monohydric phenol	10950 kg/year	Annual mass release	1000	-	-	-	
W1	Methanol	43800 kg/year	Annual mass release	2780	-	-	-	
W1	Acrylonitrile	51000 kg/year	Annual mass release	0	-	-	-	
W1	Free formaldehyde	10950 kg/year	Annual mass release	115	-	-	-	

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.



Signed .....  
(Authorised to sign as representative of Operator)

Date.....27<sup>th</sup> January 2017