

Permit Number: PP3238LX                      Operator: Bakelite Synthetics 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 01/10/2021 to 30/12/2021**

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	2690	618		07/10/2021 14/10/2021 21/10/2021 28/10/2021 04/11/2021 11/11/2021 18/11/2021 25/11/2021 02/12/2021 09/12/2021 16/12/2021 23/12/2021 30/12/2021	
W1	Daily discharge. Maximum volume of effluent	15900m <sup>3</sup>	Instantaneous	2690	618		As above	
W1	Flow	0.19m <sup>3</sup> /s	Instantaneous	0.081	0.0072		As above	

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	Monohydric phenol	10mg/l	24-hour flow proportional sample	4.7	0.93	BS6068-2.12 1990 ISO6439:1990	As above	0.743
W1	Total suspended solids	150mg/l	24-hour flow proportional sample	66.8	27.5	BS EN 872 2005 /BS6068-2.54 2005	As above	7.86
W1	Chemical Oxygen Demand	1000mg/l	24-hour flow proportional sample	449	238	BS ISO 15705-2002/BS6068-2.80 2002	As above	48.8
W1	Methanol	50mg/l	24-hour flow proportional sample	0	0	BS EN ISO 15680 2003	As above	0
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	1.5	0.3	BS 2942 App D	As above	0.280
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	0.136
W1	Monohydric phenol	10950 kg/year	Annual mass release	349	-	-	-	
W1	Methanol	43800 kg/year	Annual mass release	0	-	-	-	
W1	Acrylonitrile	51000 kg/year	Annual mass release	0	-	-	-	
W1	Free formaldehyde	10950 kg/year	Annual mass release	29.1	-	-	-	

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.....28<sup>th</sup> January 2022