

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 29/09/2022 to 29/12/2022**

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	2780	631		06/10/2022 13/10/2022 20/10/2022 27/10/2022 03/11/2022 10/11/2022 17/11/2022 24/11/2022 01/12/2022 08/12/2022 15/12/2022 22/12/2022 29/12/2022	
W1	Daily discharge. Maximum volume of effluent	15900m <sup>3</sup>	Instantaneous	2780	631		As above	
W1	Flow	0.19m <sup>3</sup> /s	Instantaneous	0.0703	0.0073		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	11.2 <sup>6</sup>	2.2	BS6068-2.12 1990 ISO6439:1990	As above	2.13
W1	Total suspended solids	150mg/l	24-hour flow proportional sample	63.6	26.4	BS EN 872 2005 /BS6068-2.54 2005	As above	8.56
W1	Chemical Oxygen Demand	1000mg/l	24-hour flow proportional sample	375	100	BS ISO 15705-2002/BS6068-2.80 2002	As above	49.0
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	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	6.9	BS6068-2.50	As above	0.144
W1	Monohydric phenol	10950 kg/year	Annual mass release	611	-	-	-	
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	8.07	-	-	-	

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.
6. Reported as schedule 6 notification



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

Date.....31<sup>st</sup> January 2023