

Permit Number: PP3238LX

Operator: Bakelite Synthetics UK Limited

Installation: Barry Thermosets Plant

Form Number: Air1 / 25/04/2013

Reporting of emissions to air for the period from 01/01/2022 to 31/12/2022

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method ^[1]	Sample Date and Times ^[2]	Uncertainty ^[3]
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Gas: 180mg/m ³	Spot sample	B1 – 88.5 B2 – 73.5	BS EN 14792 (A44)	01/09/2022	5.1 4.9
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Oil: 220mg/m ³	Spot sample		-	Not in use on sample dates	
A1	Carbon monoxide	140 mg/m ³	Spot sample	B1 – 88.0 B2 – 73.6	BS EN 15058 (A44)	02/09/2021	4.8 4.6
A2	Phenol	10 mg/m ³	Spot sample	<0.30 <0.38 <0.17 <0.33	BS13649	03/03/2022 20/05/2022 01/09/2022 06/12/2023	0.063 0.08 0.033 0.03
A2	Formaldehyde	2 mg/m ³	Spot sample	0.013 0.02 0.01 0.03	BS13649	As above	0.0033 0.005 0.028 0.03
A2	Styrene mg/m ³	NA	Spot sample	<0.12 <0.11 <0.064 <0.14	BS13649	As above	0.024 0.5 0.013 0.16

1. 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.
2. 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.
3. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.



Signed
(Authorised to sign as representative of Operator)

Date.....31st January 2023.....

Permit Number: PP3238LX Operator: Bakelite Synthetics UK Limited
 Installation: Barry Thermosets Plant Form Number: Energy1 / 25/04/2013

Reporting of Energy Usage for the year 2022

Energy Source	Energy Usage		Specific Usage (MW/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	4470 MWh	10700	0.103
Natural Gas	10100 MWh	11600	0.233
Gas Oil	16.7 MWh		0.0004
TOTAL	14600 MWh		0.336

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :
 43384 tonnes produced in 2022.



Signed
 (Authorised to sign as representative of Operator)

Date.....31st January 2023.....

Permit Number: PP3238LX Operator: Bakelite Synthetics UK Limited
Installation: Barry Thermosets Plant Form Number: Performance1 / 25/04/2013

Reporting of other performance indicators for the period 01/01/2022 to 31/12/2022

Parameter	Units
Water usage/Tonne product	2.93 m3/tonne
Energy usage/Tonne product	0.336 MWh/tonne

Operator's comments: 43384 tonnes produced in 2022



Signed
(Authorised to sign as representative of Operator)

Date..... 31st January 2023.....

Permit Number: PP3238LX Operator: Bakelite Synthetics UK Limited
Installation: Barry Thermosets Plant Form Number: WaterUsage1 / 25/04/2013

Reporting of Water Usage for the year 2022

Water Source	Usage (m ³ /year)
Towns water	32000
Biglis	94500
TOTAL WATER USAGE	127000

Operator's comments:



Signed
(authorised to sign as representative of Operator)

Date.....31st January 2023.....