

Table 2: Point source emissions to air and water

BSPB303 Point Source Emissions

<b>Air: Emission Point Reference and location</b>	<b>Source</b>	<b>Document Reference</b>	<b>Parameter</b>	<b>Quantity</b>	<b>Unit</b>
A1a TF 25293 23770	Gas fired production oven, located in Building A (Gas Burner Flue)	BSPB305e Bakkavor Spalding A1a - Gas Burner Flue	Total Particulate Matter	3.8	mg/m <sup>3</sup>
			Carbon Monoxide	187	mg/m <sup>3</sup>
			Oxides of Nitrogen	25.5	mg/m <sup>3</sup>
			Total VOC	910	mg/m <sup>3</sup>
			Oxygen	16.	%
			Volumetric Flow	357	m <sup>3</sup> /h
			VOC Screen	7.1	mg/m <sup>3</sup>
			Sulphur Dioxide	0.12	mg/m <sup>3</sup>
A1b TF 25293 23770	Gas fired production oven, located in Building A (Extraction Flue)	BSPB305f Bakkavor Spalding A1b - Oven Extraction Flue	Total Particulate Matter	2.7	mg/m <sup>3</sup>
			Carbon Monoxide	0.18	mg/m <sup>3</sup>
			Oxides of Nitrogen	0.23	mg/m <sup>3</sup>
			Total VOC	3.7	mg/m <sup>3</sup>
			Oxygen	20.8	%
			Volumetric Flow	728	m <sup>3</sup> /h
			VOC Screen	<0.94	mg/m <sup>3</sup>
			Sulphur Dioxide	0.03	mg/m <sup>3</sup>
A21 TF 25499 23717	Steam raising Boiler 1 located in Building B	BSB310 ADM Report V1 PDF Page numbers 31 – 59	Oxides of Nitrogen (as NO <sub>2</sub> )	141	mg/m <sup>3</sup>
			Carbon Monoxide	323	mg/m <sup>3</sup>
			Oxygen (Dry)	3.0	% v/v
			Water Vapour	8.2	% v/v
			Stack Gas Temperature	216	°C
			Stack Gas Velocity	7.7	m/s
			Volumetric Flow Rate (Actual)	5448	m <sup>3</sup> /hr

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			Volumetric Flow Rate (REF)	2841	m <sup>3</sup> /hr
A22 TF 25494 23722	Steam raising Boiler 2 located in Building B	BSB310 ADM Report V1 PDF Page numbers 60 – 88	Oxides of Nitrogen (as NO <sub>2</sub> )	80.7	mg/m <sup>3</sup>
			Carbon Monoxide	1.1	mg/m <sup>3</sup>
			Oxygen (Dry)	2.9	% v/v
			Water Vapour	8.5	% v/v
			Stack Gas Temperature	219	°C
			Stack Gas Velocity	8.2	m/s
			Volumetric Flow Rate (Actual)	5775	m <sup>3</sup> /hr
			Volumetric Flow Rate (REF)	2959	m <sup>3</sup> /hr
A23 TF 25387 23754	Steam raising boiler 3 located in building A	BSB310 ADM Report V1 PDF Page numbers 89 – 117	Oxides of Nitrogen (as NO <sub>2</sub> )	161	mg/m <sup>3</sup>
			Carbon Monoxide	0.71	mg/m <sup>3</sup>
			Oxygen (Dry)	2.8	% v/v
			Water Vapour	20	% v/v
			Stack Gas Temperature	215	°C
			Stack Gas Velocity	6.3	m/s
			Volumetric Flow Rate (Actual)	6833	m <sup>3</sup> /hr
			Volumetric Flow Rate (REF)	3149	m <sup>3</sup> /hr
A24 TF 25328 24122	Steam raising Boiler 4 located in building G	BSB310 ADM Report V1 PDF Page numbers 89 – 118 - 144	Oxides of Nitrogen (as NO <sub>2</sub> )	119	mg/m <sup>3</sup>
			Oxygen (Dry)	3.6	% v/v
			Water Vapour	7.7	% v/v
			Stack Gas Temperature	166	°C
			Stack Gas Velocity	3.4	m/s
			Volumetric Flow Rate (Actual)	2723	m <sup>3</sup> /hr

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			Volumetric Flow Rate (REF)	1501	m <sup>3</sup> /hr
A24 TF 25328 24122	Steam raising Boiler 5 located in building G	BSB310 ADM Report V1 PDF Page numbers 89 – 145 - 170	Oxides of Nitrogen (as NO <sub>2</sub> )	148	mg/m <sup>3</sup>
			Oxygen (Dry)	7.1	% v/v
			Water Vapour	7.8	% v/v
			Stack Gas Temperature	1.60	°C
			Stack Gas Velocity	3.6	m/s
		Volumetric Flow Rate (Actual)	2856	m <sup>3</sup> /hr	
		Volumetric Flow Rate (REF)	1267	m <sup>3</sup> /hr	
MEP 1 TF 25370 24147	Cerberus MEK Plant	BSPB305b Bakkavor Spalding - Paint Extraction MEP 1- Paint Extraction (Cerberus)	Methyl Ethyl Ketone (MEK)	7.5	mg/m <sup>3</sup>
			Volumetric Flow Rate	658	m <sup>3</sup> /h
MEP 2 TF 25571 23834	Soups MEK Plant	BSPB305c Bakkavor Spalding - Paint Extraction MEP 2 - Paint Extraction (Soups)	Methyl Ethyl Ketone (MEK)	124	mg/m <sup>3</sup>
			Volumetric Flow Rate	1371	m <sup>3</sup> /h
MEP 3 TF 25372 23848	Deli MEK Plant	BSPB305d Bakkavor Spalding - Paint Extraction MEP 3 - Paint Extraction (Deli)	Methyl Ethyl Ketone (MEK)	33.5	mg/m <sup>3</sup>
			Volumetric Flow Rate	803	m <sup>3</sup> /h

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<b>Water Emission Point Reference and location</b>	<b>Source</b>	<b>Document Reference</b>	<b>Parameter</b>	<b>Quantity</b>	<b>Unit</b>
S1 TF 25337 23973	Effluent Treatment Plant	BSPB204 AW Discharge Consent	Chemical Oxygen Demand	3000	Mg/l
		BSPB204 AW Discharge Consent	Fats Oils and Greases	250	Mg/l
		BSPB204 AW Discharge Consent	Suspended Solids	1000	Mg/l
		BSPB204 AW Discharge Consent	Sulphides	1	Mg/l
		BSPB204 AW Discharge Consent	Temperature	45 degree	°C
		BSPB204 AW Discharge Consent	pH	Not less than 6 or greater than 10	<1 pH Units

**Also refer to document reference: BSPB205c Emission Points**