



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Emissions to Air for 12 Months to 31st December

Doc Id: WX-EMS-0014-EMR
Revision: 4
Date: DECEMBER 2019

PERMIT REFERENCE NUMBER: BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals

FORM NUMBER: A1

OXIDES OF NITROGEN

Emission Point	Date of Sampling (1)	Result of Sampling (1) (mg/m ³)	Date of sampling (2)	Result of sampling (2) (mg/m ³)
A1	13/05/20	106	06/11/20	87
A2	24/07/20	84	06/11/20	96
A3	14/05/20	87	06/11/20	76
A4	13/05/20	65	06/11/20	47

OXIDES OF SULPHUR

Emission Point	Date of Sampling (1)	Result of Sampling (1) (mg/m ³)	Date of sampling (2)	Result of sampling (2) (mg/m ³)
A18	09/01/20	3	24/07/20	0
A19	09/01/20	3	24/07/20	0
A20	09/01/20	0	24/07/20	0
A21	09/01/20	0	24/07/20	0
A22	09/01/20	0	24/07/20	6



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TOTAL PARTICULATE

Emission Point	Emission Limit Value	Test Method	Date of sampling	Result of sampling (mg/m ³)
A26	50mg/m ³ Hourly Average	BS EN 13284-1 and MID	17/08/20	0.56
A27			03/08/20	3.5
A28			17/08/20	2.63
A29			17/08/20	0.2

Signed: OC Eickmann

Print Name: ARRAN EDWARDS

(Authorised to sign as representative of the Operator)

Date: 18/01/2021



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Emissions to Sewer for 3 Months

Doc Id: WX-EMS-0016-EMR
Revision: 3
Date: DECEMBER 2019

PERMIT REFERENCE NUMBER: BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals

FORM NUMBER: S2

REPORTING PERIOD: 1st January – 31st December 2020

Emission Point	Substance/Parameter	Maximum		Minimum		Average	Number of Results
		Value	Date	Value	Date		
S1	Chemical Oxygen Demand (mg/l)						
S1	Suspended Solids (mg/l)						
S1	Flow (m ³ /day)						

REPORTING OF EMISSIONS TO SEWER FOR 12 MONTHS TO 31st DECEMBER

Emission Point	Substance/Parameter	Tonnes/Year
S1	Chemical Oxygen Demand	18.4
S1	Suspended Solids	3.25

Signed: DC Edmunds

Print Name: DARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date: 18/01/2021



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Water Usage

Doc Id: WX-EMS-0020-EMR
Revision: 3
Date: DECEMBER 2019

PERMIT REFERENCE NUMBER: BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals FORM NUMBER: WU1

REPORTING PERIOD: 1st January – 31st December 2020

WATER SOURCE	USAGE (M ³)	SPECIFIC USAGE (M ³ /Tonne)
Mains water (Potable)	241,712	2.9
Non potable water	15,287	0.2
Total Water Usage	256,999	3.1

TRENDS IN WATER USAGE		
YEAR	PARAMETER	
	Total Water Usage (M ³)	Water per unit output (M ³ /Tonne)
2017	249934	4.2
2018	253502	3.3
2019	245362	3.1
2020	256,999	3.1

Operators Comments:

Signed: _____

Print Name: _____

DAARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date: _____

18/01/2021



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Energy

Doc Id: WX-EMS-0019-EMR
Revision: 3
Date: DECEMBER 2019

PERMIT REFERENCE NUMBER: BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals FORM NUMBER: E1

REPORTING PERIOD: 1st January – 31st December 2020

ENERGY SOURCE	ENERGY USAGE		CO ₂ PRODUCED (Tonnes)
	QUANTITY	PRIMARY ENERGY (MWh)	
ELECTRICITY (MWh)	33760	88114	14627
GAS (MWh)	85848	85848	17685
GAS OIL (MWh)	0	0	0
TOTAL	119608	173962	32312

*Conversion factor delivered electricity to primary energy = 2.61

Operators Comments:

TRENDS IN ENERGY USAGE			
YEAR	PRIMARY ENERGY USAGE (MWh)	CO ₂ PRODUCED (Tonnes)	CO ₂ PER UNIT OUTPUT (Tonnes/Tonnes)
2017	110832	29582	0.502
2018	116300	31790	0.417
2019	172998	32070	0.400
2020	119608	173962	0.391

Signed: OC Elmhurst

(Authorised to sign as representative of the Operator)

Print Name: NARIN KUNDAS

Date: 26/01/2021



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Waste Disposal and Recovery for the Year

Doc Id: WX-EMS-0018-EMR
Revision: 3
Date: DECEMBER 2019

PERMIT REFERENCE NUMBER: BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals

REPORTING PERIOD: 1st January – 31st December 2020

FORM NUMBER: R1

WASTE DESCRIPTION	DISPOSAL		RECOVERY
	ROUTE	TONNES	
Hazardous Waste			345
Non Hazardous Waste (Non biodegradable)			6857
Non Hazardous Waste (Biodegradable)			1400
Food waste sent for animal feed manufacture			6922
Total Waste			15524

YEAR	TRENDS IN WASTE DISPOSAL AND RECOVERY		
	PARAMETER		
	TOTAL PRODUCTION (Tonnes)	TOTAL WASTE (Tonnes)	WASTE PER UNIT OUTPUT (Tonnes/Tonne)
2017	58954	11460	0.194
2018	76192	10369	0.136
2019	80082	10233	0.128
2020	82861	15524	0.187

Operators comments:

Please note that a lot of additional projects works waste has been generated and removed from site for 2020

Signed: DC Edwards

Print Name: DARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date: 18/01/2021



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Performance Indicators for the Year

Doc Id: WX-EMS-0017-EMR
Revision: 3
Date: DECEMBER 2019

PERMIT REFERENCE NUMBER: BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals

FORM NUMBER: P11

ANNUAL PRODUCTION/TREATMENT

Total site production:	82861 tonnes
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ENVIRONMENTAL PERFORMANCE INDICATORS (EPI'S)

PARAMETER	ANNUAL EPI	UNITS
Releases to Sewer:		
Total Chemical Oxygen Demand release per tonne product	0.00022	Tonne/Tonne Product
Total Suspended Solids release per tonne product	0.00004	Tonne/Tonne Product
Specific energy consumption per tonne product	1.45	Tonne/Tonne Product
Refrigerant use	0	Kg/Year

TRENDS IN ENVIRONMENTAL PERFORMANCE

Year	Parameter	
	COD release per tonne product	Energy use per tonne product
2016	0.00010	1.47
2017	0.00014	1.59
2018	0.00021	1.53
2019	0.00022	1.55
2020	0.00022	1.45

Signed: [Signature]

Print Name:

DARRAN EDWARDS

(Authorised to sign as representative of the Operator)

Date:

26/11/2021