



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:

80082 tonnes

ENVIRONMENTAL PERFORMANCE INDICATORS (EPI'S)

PARAMETER		
Releases to Sewer:	ANNUAL EPI	UNITS
Total Chemical Oxygen Demand release per tonne product	0.00022	Tonne/Tonne Product
Total Suspended Solids release per tonne product	0.00005	Tonne/Tonne Product
Specific energy consumption per tonne product	1.55	Tonne/Tonne Product
Refrigerant use	35.5	Kg/Year

TRENDS IN ENVIRONMENTAL PERFORMANCE

Year	Parameter	
	COD release per tonne product	Energy use per tonne product
2015	0.00010	1.68
2016	0.00010	1.47
2017	0.00014	1.59
2018	0.00021	1.53
2019	0.00022	1.55

Signed:

Print Name:

DARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date:

23/01/2020



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

FORM NUMBER: R1

REPORTING PERIOD:

WASTE DESCRIPTION	DISPOSAL		RECOVERY
	ROUTE	TONNES	
Hazardous Waste			214
Non Hazardous Waste (Non biodegradable)			392
Non Hazardous Waste (Biodegradable)			1228
Food waste sent for animal feed manufacture			8399
Total Waste			10233

YEAR	TRENDS IN WASTE DISPOSAL AND RECOVERY		
	PARAMETER		WASTE PER UNIT OUTPUT (Tonnes/Tonne)
	TOTAL PRODUCTION (Tonnes)	TOTAL WASTE (Tonnes)	
2016	56610	7579	0.134
2017	58954	11460	0.194
2018	76192	10369	0.136
2019	10233	80082	0.128

Operators comments:

Signed:

OC Edwards

Print Name:

OSCAR EDWARDS

Date:

23/01/2020

(Authorised to sign as representative of the Operator)



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 2019

ENERGY SOURCE	ENERGY USAGE		CO ₂ PRODUCED (Tonnes)
	QUANTITY	PRIMARY ENERGY (MWh)	
ELECTRICITY (MWh)	34168	89179	14804
GAS (MWh)	83819	83819	17267
GAS OIL (MWh)	0	0	0
TOTAL	117987	172998	32070

TRENDS IN ENERGY USAGE			
YEAR	PRIMARY ENERGY USAGE (MWh)	CO ₂ PRODUCED (Tonnes)	CO ₂ PER UNIT OUTPUT (Tonnes/Tonnes)
2016	102460	27605	0.488
2017	110832	29582	0.502
2018	116300	31790	0.417
2019	172998	32070	0.400

*Conversion factor delivered electricity to primary energy = 2.61

Operators Comments:

Signed:

Print Name:

DARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date:

23/01/2020



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 2019

WATER SOURCE	USAGE (M ³)	SPECIFIC USAGE (M ³ /Tonne)
Mains water (Potable)	227004	2.8
Non potable water	18358	0.2
Total Water Usage	245362	3.1

TRENDS IN WATER USAGE		
YEAR	PARAMETER	
	Total Water Usage (M ³)	Water per unit output (M ³ /Tonne)
2016	249532	4.4
2017	249934	4.2
2018	253502	3.3
2019	245362	3.1

Operators Comments:

Signed: *OC Ehlmann*

Print Name: *DAVID EDWARDS*

(Authorised to sign as representative of the Operator)

Date: *23/01/2020*



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 2019

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	17.8
S1	Suspended Solids	3.68

Signed:

Print Name:

DARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date:

23/01/2020



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	31/03/19	86	09/09/19	16
A2	19/01/19	114	09/09/19	91
A3	Boiler off line		Boiler off line	
A4	28/03/19	188	11/09/19	60

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	23/01/19	3	24/07/19	11
A19	23/01/19	3	24/07/19	17
A20	23/01/19	0	24/07/19	1301
A21	23/01/19	9	24/07/19	11
A22	23/01/19	0	24/07/19	3



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

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	02/10/19	0.44
A27			11/10/19	0.44
A28			02/10/19	7.28
A29			02/10/19	0.28

Signed: OC Edwards

Print Name: DAVID EDWARDS

(Authorised to sign as representative of the Operator)

Date: 23/01/2020