



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Emissions to Air for 12 Months to 31st December 2017

Doc Id: WX-EMS-0014-EMR
Revision: 1
Date: JUNE 2008

PERMIT REFERENCE NUMBER: BV 8016 ID, KP 3135 LW
& EPR 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	27/01/17	96	16/08/17	106
A2	27/01/17	119	20/08/17	118
A3	Boiler Off Line		Boiler Off Line	
A4	28/01/17	80	18/08/17	114

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	12/01/17	0	15/06/17	0
A19	12/01/17	0	15/06/17	0
A20	12/01/17	0	15/06/17	0
A21	12/01/17	0	15/06/17	3126
A22	12/01/17	0	15/06/17	3

Signed: OC Edwards

Print Name: DAVID EDWARDS

(Authorised to sign as representative of the Operator)

Date: 19th JANUARY 2018



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Emissions to Sewer for 3 Months

Doc Id: WX-EMS-0016-EMR
Revision: 1
Date: JUNE 2008

PERMIT REFERENCE NUMBER: BV 8016 ID, KP 3135 LW
& EPR BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals FORM NUMBER: S2 REPORTING PERIOD: 1st January – 31st December 2017

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 2017

Emission Point	Substance/Parameter	Tonnes/Year
S1	Chemical Oxygen Demand	8.3
S1	Suspended Solids	3.1

Signed: *OC Edwards* Print Name: OLIVER EDWARDS

(Authorised to sign as representative of the Operator)

Date: 19TH JANUARY 2018



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Water Usage

Doc Id: WX-EMS-0020-EMR
Revision: 1
Date: JUNE 2008

PERMIT REFERENCE NUMBER: BV 8016 ID, KP 3135 LW
& EPR BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals FORM NUMBER: WU1

REPORTING PERIOD: 1st January – 31st December 2017

WATER SOURCE	USAGE (M ³)	SPECIFIC USAGE (M ³ /Tonne)
Mains water (Potable)	218747	3.7
Non potable water	31187	0.5
Total Water Usage	249934	4.2

TRENDS IN WATER USAGE		
YEAR	PARAMETER	
	Total Water Usage (M ³)	Water per unit output (M ³ /Tonne)
2014	322852	4.6
2015	224962	3.3
2016	249532	4.4
2017	249934	4.2

Signed: OC Edwards

(Authorised to sign as representative of the Operator)

Print Name: DARRAN EDWARDS

Date: 19th July 2018



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Energy

Doc Id: VX-EMS-0019-EMR
Revision: 1
Date: JUNE 2008

PERMIT REFERENCE NUMBER: BV 8016 ID, KP 3135 LV
& EPR BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals FORM NUMBER: E1

REPORTING PERIOD: 1st January – 31st December 2017

ENERGY SOURCE	ENERGY USAGE		CO ₂ PRODUCED (Tonnes)
	QUANTITY	PRIMARY ENERGY (MWh)	
ELECTRICITY (MWh)	29705	77529	12870
GAS (MWh)	81127	81127	16712
GAS OIL (MWh)	0	0	0
TOTAL	110832	158656	29582

TRENDS IN ENERGY USAGE			
YEAR	PRIMARY ENERGY USAGE (MWh)	CO ₂ PRODUCED (Tonnes)	CO ₂ PER UNIT OUTPUT (Tonnes/Tonnes)
2014	178848	33241	0.477
2015	168831	31425	0.466
2016	102460	27605	0.488
2017	110832	29582	0.502

*Conversion factor delivered electricity to primary energy = 2.61

Operators Comments: Increased energy consumption is in relation to trialling new products and installation and commissioning of a new production line.

Signed:

Print Name:

JARREN EDWARDS

(Authorised to sign as representative of the Operator)

Date:

19TH JANUARY 2018



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Waste Disposal and Recovery for the Year

Doc Id: WX-EMS-0018-EMR
Revision: 1
Date: JUNE 2008

PERMIT REFERENCE NUMBER: BV 8016 ID, KP 3135 LW
& EPR BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals

FORM NUMBER: R1

REPORTING PERIOD: 1st January – 31st December 2017

WASTE DESCRIPTION	DISPOSAL		RECOVERY
	ROUTE	TONNES	TONNES
Hazardous Waste			127
Non Hazardous Waste (Non biodegradable)			804
Non Hazardous Waste (Biodegradable)			1543
Food waste sent for animal feed manufacture			8986
Total Waste			11460

TRENDS IN WASTE DISPOSAL AND RECOVERY			
YEAR	PARAMETER		
	TOTAL PRODUCTION (Tonnes)	TOTAL WASTE (Tonnes)	WASTE PER UNIT OUTPUT (Tonnes/Tonne)
2014	69746	8646	0.124
2015	67319	8329	0.124
2016	56610	7579	0.134
2017	58954	11460	0.194

Operators comments: Increased waste totals are in relation to trialling new products and installation and commissioning of a new production line.

Signed: *D C C*

Print Name: DAVID EDWARDS

(Authorised to sign as representative of the Operator)

Date: 19TH JANUARY 2018



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Performance Indicators for the Year 2017

Doc Id: WX-EMS-0017-EMR
Revision: 1
Date: JUNE 2008

PERMIT REFERENCE NUMBER: BV 8016 ID, KP 3135 LW
& EPR BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals

FORM NUMBER: P11

ANNUAL PRODUCTION/TREATMENT

Total site production:

58954 tonnes

ENVIRONMENTAL PERFORMANCE INDICATORS (EPI'S)

PARAMETER	ANNUAL EPI	UNITS
Releases to Sewer:		
Total Chemical Oxygen Demand release per tonne product	0.00014	Tonne/Tonne Product
Total Suspended Solids release per tonne product	0.00005	Tonne/Tonne Product
Specific energy consumption per tonne product	1.59	Tonne/Tonne Product
Refrigerant use	105.4	Kg/Year

TRENDS IN ENVIRONMENTAL PERFORMANCE

Year	Parameter	
	COD release per tonne product	Energy use per tonne product
2013	0.0004	2.04
2014	0.00016	1.77
2015	0.00010	1.68
2016	0.00010	1.47
2017	0.00014	1.59

Signed:

Print Name:

DOREEN EDWARDS

(Authorised to sign as representative of the Operator)

Date:

19th January 2018