



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 2015

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 2015

Emission Point	Substance/Parameter	Tonnes/Year
S1	Chemical Oxygen Demand	6.9
S1	Suspended Solids	1.5

Signed: *D C Edwards*

Print Name: JARLAN EDWARDS

(Authorised to sign as representative of the Operator)

Date: 26/01/2016



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 2015

WASTE DESCRIPTION	DISPOSAL		RECOVERY	
	ROUTE	TONNES	TONNES	TONNES
Hazardous Waste				213
Non Hazardous Waste (Non biodegradable)				770
Non Hazardous Waste (Biodegradable)				795
Food waste sent for animal feed manufacture				6551
Total Waste				8329

YEAR	TRENDS IN WASTE DISPOSAL AND RECOVERY		
	TOTAL PRODUCTION (Tonnes)	TOTAL WASTE (Tonnes)	WASTE PER UNIT OUTPUT (Tonnes/Tonne)
2012	89086	11130	0.125
2013	72462	9878	0.136
2014	69746	8646	0.124
2015	67319	8329	0.124

Operators comments:

Signed: *OC Edwards*
(Authorised to sign as representative of the Operator)

Print Name: DARRAN EDWARDS

Date: 26/01/2016



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Performance Indicators for the Year 2015

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: PI1

ANNUAL PRODUCTION/TREATMENT

Total site production: 67319 tonnes

ENVIRONMENTAL PERFORMANCE INDICATORS (EPI'S)

PARAMETER		UNITS
Releases to Sewer:	ANNUAL EPI	
Total Chemical Oxygen Demand release per tonne product	0.00010	Tonne/Tonne Product
Total Suspended Solids release per tonne product	0.00002	Tonne/Tonne Product
Specific energy consumption per tonne product	1.68	Tonne/Tonne Product
Refrigerant use	112.86	Kg/Year

Year	TRENDS IN ENVIRONMENTAL PERFORMANCE	
	COD release per tonne product	Energy use per tonne product
2011	0.0003	1.84
2012	0.0008	1.85
2013	0.0004	2.04
2014	0.00016	1.77
2015	0.00010	1.68

Signed:

Print Name: DARRAN EDWARDS

(Authorised to sign as representative of the Operator)

Date: 26/01/2016



ENVIRONMENTAL MANAGEMENT RECORD

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

Subject: Reporting of Energy

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: E1

REPORTING PERIOD: 1st January – 31st December 2015

ENERGY SOURCE	ENERGY USAGE		CO ₂ PRODUCED (Tonnes)
	QUANTITY	PRIMARY ENERGY (MWh)	
ELECTRICITY (MWh)	32133	83867	13922
GAS (MWh)	84964	84964	17503
GAS OIL (MWh)	0	0	0
TOTAL	117097	168831	31425

TRENDS IN ENERGY USAGE			
YEAR	PRIMARY ENERGY USAGE (MWh)	CO ₂ PRODUCED (Tonnes)	CO ₂ PER UNIT OUTPUT (Tonnes/Tonnes)
2012	247412	45751	0.514
2013	222164	40924	0.564
2014	178848	33241	0.477
2015	168831	31425	0.466

*Conversion factor delivered electricity to primary energy = 2.61

Operators Comments:

Signed: *D C Edwards*

Print Name: *DARREN EDWARDS*

(Authorised to sign as representative of the Operator)

Date: *26/01/2016*



ENVIRONMENTAL MANAGEMENT RECORD

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

Subject: Reporting of Water Usage

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 2015

WATER SOURCE	USAGE (M ³)	SPECIFIC USAGE (M ³ /Tonne)
Mains water (Potable)	205170	0.3
Non potable water	19792	3.0
Total Water Usage	224962	3.3

YEAR	TRENDS IN WATER USAGE	
	PARAMETER	Water per unit output (M ³ /Tonne)
2012	Total Water Usage (M ³) 423824	4.8
2013	375659	5.2
2014	322852	4.6
2015	224962	3.3

Operators Comments:

Signed: *DC Edwards*

Print Name: *ALBAN EDWARDS*

Date: *26/01/2016*

(Authorised to sign as representative of the Operator)



ENVIRONMENTAL MANAGEMENT RECORD

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

Subject: Reporting of Emissions to Air for 12 Months to 31st December 2015

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	16/05/15	90	03/10/15	79
A2	29/04/15	92	01/10/15	72
A3	Boiler offline until August 15		24/08/15	67
A4	30/04/15	84	Boiler offline from August until end of year	

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	20/01/2015	0	17/07/15	0
A19	20/01/2015	0	17/07/15	0
A20	20/01/2015	0	17/07/15	0
A21	20/01/2015	0	17/07/15	0
A22	20/01/2015	0	17/07/15	0

Signed:  Print Name: DARRAN EDWARDS

(Authorised to sign as representative of the Operator) Date: 26/01/2016