



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Emissions to Air for 12 Months to 31st December 2013

Doc Id: VX-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	27/01/13	87	07/09/13	79
A2	27/01/13	87	08/09/13	83
A3	27/01/13	55	02/06/13	57
A4	26/01/13	86	08/09/13	90

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	18/01/13	3	22/07/13	3
A19	18/01/13	3	22/07/13	3
A20	18/01/13	3	22/07/13	3
A21	18/01/13	3	22/07/13	3
A22	18/01/13	0	22/07/13	3

Signed: 

Print Name: KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 21/1/14





ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Performance Indicators for the Year 2013

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

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

INSTALLATION: Wrexham Breakfast Cereals

OPERATOR: Kellogg Company of Great Britain Ltd
FORM NUMBER: P11

ANNUAL PRODUCTION/TREATEMENT

Total site production:

72462 tonnes

ENVIRONMENTAL PERFORMANCE INDICATORS (EPI'S)

PARAMETER		
Releases to Sewer:	ANNUAL EPI	UNITS
Total Chemical Oxygen Demand release per tonne product	0.0004	Tonne/Tonne Product
Total Suspended Solids release per tonne product	0.00009	Tonne/Tonne Product
Specific energy consumption per tonne product	2.04	Tonne/Tonne Product
Refrigerant use	133.2	Kg/Year

TRENDS IN ENVIRONMENTAL PERFORMANCE

Year	Parameter	
	COD release per tonne product	Energy use per tonne product
2009	0.008	1.75
2010	0.006	1.92
2011	0.003	1.84
2012	0.0008	1.85
2013	0.0004	2.04

Signed: _____

Thomas

(Authorised to sign as representative of the Operator)

Print Name: KAREN THOMAS

Date: 21/1/14



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 2013

WASTE DESCRIPTION	DISPOSAL		RECOVERY
	ROUTE	TONNES	TONNES
Hazardous Waste		8	57
Non Hazardous Waste (Non biodegradable)		184	765
Non Hazardous Waste (Biodegradable)		0	1099
Food waste sent for animal feed manufacture			7765
Total Waste		192	9686

YEAR	TRENDS IN WASTE DISPOSAL AND RECOVERY		
	PARAMETER		
	TOTAL PRODUCTION (Tonnes)	TOTAL WASTE (Tonnes)	WASTE PER UNIT OUTPUT (Tonnes/Tonne)
2010	99667	13464	0.135
2011	95546	15602	0.163
2012	89086	11130	0.125
2013	72462	9878	0.136

Operators comments:

Signed: Karen Thomas

Print Name: KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 21/11/14



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 LV
& EPR BV 8016 ID

OPERATOR: Kellogg Company of Great Britain Ltd

INSTALLATION: Wrexham Breakfast Cereals FORM NUMBER: S2 REPORTING PERIOD: 1st January – 31st December 2013

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 2012

Emission Point	Substance/Parameter	Tonnes/Year
S1	Chemical Oxygen Demand	31
S1	Suspended Solids	7

Signed: *K Thomas*

Print Name: KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 21/1/14



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 2013

WATER SOURCE	USAGE (M ³)	SPECIFIC USAGE (M ³ /Tonne)
Mains water (Potable)	342414	4.7
Non potable water	33245	0.5
Total Water Usage	375659	5.2

TRENDS IN WATER USAGE		
YEAR	PARAMETER	
	Total Water Usage (M ³)	Water per unit output (M ³ /Tonne)
2010	474963	4.8
2011	466307	4.9
2012	423824	4.8
2013	375659	5.2

Operators Comments:

Signed: _____

K. Thomas

Print Name: _____

KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 21 / 1 / 14



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Energy

Doc Id: WX-EMS-0019-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: E1

REPORTING PERIOD: 1st January – 31st December 2013

ENERGY SOURCE	ENERGY USAGE		CO ₂ PRODUCED (Tonnes)
	QUANTITY	PRIMARY ENERGY (MWh)	
ELECTRICITY (MWh)	46377	121044	20093
GAS (MWh)	101120	101120	20831
GAS OIL (MWh)	0	0	0
TOTAL	147497	222164	40924

TRENDS IN ENERGY USAGE			
YEAR	PRIMARY ENERGY USAGE (MWh)	CO ₂ PRODUCED (Tonnes)	CO ₂ PER UNIT OUTPUT (Tonnes/Tonnes)
2010	277028	51515	0.512
2011	260751	48247	0.505
2012	247412	45751	0.514
2013	222164	40924	0.564

*Conversion factor delivered electricity to primary energy = 2.61

Operators Comments:

Signed: K Thomas

Print Name: KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 21 / 11 / 14