



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Performance Indicators for the Year 2014

Doc Id: WX-EMS-0017-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: P11

ANNUAL PRODUCTION/TREATEMENT

Total site production:

69746 tonnes

ENVIRONMENTAL PERFORMANCE INDICATORS (EPI'S)

PARAMETER		
Releases to Sewer:	ANNUAL EPI	UNITS
Total Chemical Oxygen Demand release per tonne product	0.00016	Tonne/Tonne Product
Total Suspended Solids release per tonne product	0.00007	Tonne/Tonne Product
Specific energy consumption per tonne product	1.77	Tonne/Tonne Product
Refrigerant use	16.4	Kg/Year

TRENDS IN ENVIRONMENTAL PERFORMANCE

Year	Parameter	
	COD release per tonne product	Energy use per tonne product
2010	0.006	1.92
2011	0.003	1.84
2012	0.0008	1.85
2013	0.0004	2.04
2014	0.00016	1.77

Signed: K. Thomas

Print Name: KARBN THOMAS

(Authorised to sign as representative of the Operator)

Date: 15/11/15



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

INSTALLATION: Wrexham Breakfast Cereals

REPORTING PERIOD: 1st January – 31st December 2014

OPERATOR: Kellogg Company of Great Britain Ltd

FORM NUMBER: R1

WASTE DESCRIPTION	DISPOSAL		RECOVERY
	ROUTE	TONNES	TONNES
Hazardous Waste			162
Non Hazardous Waste (Non biodegradable)			661
Non Hazardous Waste (Biodegradable)			1417
Food waste sent for animal feed manufacture			6406
Total Waste			8646

YEAR	TRENDS IN WASTE DISPOSAL AND RECOVERY		
	PARAMETER		WASTE PER UNIT
	TOTAL PRODUCTION (Tonnes)	TOTAL WASTE (Tonnes)	OUTPUT (Tonnes/Tonne)
2011	95546	15602	0.163
2012	89086	11130	0.125
2013	72462	9878	0.136
2014	69746	8646	0.124

Operators comments:

Signed: K Thomas

(Authorised to sign as representative of the Operator)

Print Name: KAREN THOMAS

Date: 15/1/15



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 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 2014

ENERGY SOURCE	ENERGY USAGE		CO ₂ PRODUCED (Tonnes)
	QUANTITY	PRIMARY ENERGY (MWh)	
ELECTRICITY (MWh)	34501	90048	14948
GAS (MWh)	88800	88800	18293
GAS OIL (MWh)	0	0	0
TOTAL	123301	178848	33241

TRENDS IN ENERGY USAGE			
YEAR	PRIMARY ENERGY USAGE (MWh)	CO ₂ PRODUCED (Tonnes)	CO ₂ PER UNIT OUTPUT (Tonnes/Tonnes)
2011	260751	48247	0.505
2012	247412	45751	0.514
2013	222164	40924	0.564
2014	178848	33241	0.477

*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: 15/1/15



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 2014

WATER SOURCE	USAGE (M ³)	SPECIFIC USAGE (M ³ /Tonne)
Mains water (Potable)	293530	0.4
Non potable water	29322	4.2
Total Water Usage	322852	4.6

TRENDS IN WATER USAGE		
YEAR	PARAMETER	
	Total Water Usage (M ³)	Water per unit output (M ³ /Tonne)
2011	466307	4.9
2012	423824	4.8
2013	375659	5.2
2014	322852	4.6

Operators Comments:

Signed: K Thomas

Print Name: KAREN THOMAS.

(Authorised to sign as representative of the Operator)

Date: 15/1/15.



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 2014

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 2014

Emission Point	Substance/Parameter	Tonnes/Year
S1	Chemical Oxygen Demand	27
S1	Suspended Solids	18

Signed: Whears

Print Name: KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 15/1/15



ENVIRONMENTAL MANAGEMENT RECORD

Subject: Reporting of Emissions to Air for 12 Months to 31st December 2014

Doc Id: WX-EMS-0014-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: 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	27/01/14	56	26/06/14	76
A2	28/01/14	88	07/07/14	27
A3	22/01/14	58	27/06/14	71
A4	28/01/14	68	29/06/14	78

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	29/01/14	0	01/07/14	2
A19	29/01/14	43	01/07/14	15
A20	29/01/14	29	01/07/14	20
A21	29/01/14	0	01/07/14	0
A22	29/01/14	0	01/07/14	0

Signed: K. Thomas

Print Name: KAREN THOMAS

(Authorised to sign as representative of the Operator)

Date: 15/1/15.