

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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Kellogg Company of Great Britain  
Limited

Kellogg's  
Bryn Lane  
Wrexham Industrial Estates  
Wrexham  
LL13 9UT

Variation application number  
EPR/BV8016ID/V005

Permit number  
EPR/BV8016ID

# Kellogg's

## Permit number EPR/BV8016ID

### Introductory note

#### **This introductory note does not form a part of the notice**

The following notice gives notice of the variation of an environmental permit.

This variation authorises the replacement of the pellet dryer and the RDX cooked product dryer at the Kellogg's site. These pieces of equipment are being replaced and relocated within the existing installation boundary. This will create two new emissions points (referenced as points 118 and 119).

The replacement pellet dryer has a gross thermal input of 0.6MW. This dryer will continue to use heat from a boiler delivered through steam coils, as did the previous pellet dryer. This heat will be released through emission point 118.

The replacement RDX cooked product dryer has a gross thermal input of 1.5MW. This dryer will now use heat from gas burners. The emission from this dryer will be a combined release (combustion gases and volatile organic compounds from the process), which will be released through emission point 119. The increased emissions from the new gas burners will be off-set by the reduced reliance on the boilers.

Emission points have been monitored for sulphur and nitrogen at six monthly intervals, and reported annually. The monitoring of these substances is in keeping with the commitment to monitor their potential to impact the Midlands Meres and Mosses Ramsar site (which is approximately 4km away from the installation and at risk from acid deposition from oxides of sulphur and nitrogen). Existing monitoring has shown no significant effect on this Ramsar site, and as the total emissions as a result of this variation will be similar, there is no obligation to monitor the new emission point from the gas burner (emission point 119).

The installation is still served by four boilers, which have a gross thermal rating of 45.7MW combined. These are used to produce steam for the process. When combined with the thermal rating of the ovens, this takes the overall thermal rating to gross 70.3MW, and is a listed activity under Section 1.1A(1)(a) of the Environmental Permitting Regulations. The fuel used on site is natural gas, which has a back up for the boilers of light fuel oil, and regular maintenance and combustion efficiency tests are carried out on the boilers.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number. It is not backdated before 6 April 2010.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/BV8016ID	Received 08/03/2005	
Schedule 4 Notice	Request dated 08/09/2005	Response dated 10/10/2005
Request to extend determination	Request dated 18/07/2005	Request accepted 22/07/2005
Request to extend determination	Request dated 31/10/2005	Request accepted 02/11/2005
Back up Cooling Water	Received 04/11/2005	
Permit determined EPR/BV8016ID	09/11/2005	
Application variation KP3135LW	Received 20/02/2006	
Additional information supplied	28/03/2006	Clarification on a number of points in Variation Application and amended plan C.01a/1105
Additional information supplied	26/04/2006	Response to request for further information letter 25/04/06
Variation KP3135LW	Issued 05/05/2006	
Application variation VP3823KF	Duly Made 17/02/2010	
Variation Notice EPR/BV8016ID/V004	Issued 22/03/2010	
Application variation EPR/BV8016ID/V005	Duly Made 14/03/2012	
Variation Notice EPR/BV8016ID/V005	Issued 19/04/2012	

End of introductory note

## Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

**Permit number**  
**EPR/BV8016ID**

**issued to:**  
**Kellogg Company of Great Britain Limited** (“the operator”)

whose registered office is

**The Kellogg Building**  
**Talbot Road**  
**Manchester**  
**MP16 0PU**

company registration number **00199171**

to operate a regulated facility at

**Kellogg’s**  
**Bryn Lane**  
**Wrexham Industrial Estate**  
**Wrexham**  
**LL13 9UT**

to the extent set out in the schedules.

The notice shall take effect from 19/04/2012.

Name	Date
<b>M Bischer</b>	<b>19/04/2012</b>

Authorised on behalf of the Environment Agency

**Schedule 1 – conditions to be deleted**

None

**Schedule 2 – conditions to be amended**

The following conditions are amended as a result of the application made by the operator

## 1.1 Permitted Activities

1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

<b>Table 1.1.1</b>		
<b>Activity listed in Schedule 1 of the PPC Regulations / Associated Activity</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
Section 6.8 A(1)(d)(ii) – Treating and processing materials intended for the production of food products from vegetable raw materials at plant with a finished product production capacity of more than 300 tonnes per day	Treating and processing materials for the manufacture of breakfast cereals and snack bars	Receipt of raw materials to manufacture, storage and despatch of finished product, cleaning of process plant and the storage, handling and despatch of waste arising from the production process.
Section 1.1 A(1)(a)- Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more	Operating Combustion facility comprising of: 2 x 7.2MW gas steam boilers 1 x 14.7MW gas steam boiler 1 x 16.6MW gas steam boiler 1 x 1.5MW RDX Cooked Product Dryer 1 x 6.34MW All Bran Plant 1 x 4.8MW Bran Flakes Plant 1 x 5.4MW RDX Plant 1 x 6.56MW Fourth Process Plant  with a combined thermal input capacity of 70.3MW.	From the generation of energy, cooking and drying of products, discharging to air.
Section 5.3 A(1)(c)(i): Disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by biological treatment	Screening, treatment by dissolved air flotation and aerobic digestion of process effluent	From collection of effluent from all process areas to the effluent treatment plant to the discharge to public sewer.
Directly associated activity	Yard and roof water collection and discharge to surface water	From collection of surface water to discharge to controlled water .

# Operating conditions

## 2.1 In-Process Controls

2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

**Table 2.1.1: Operating techniques**

Description	Parts	Date Received
Application	The response to questions 2.1, 2.2 and 2.10 of the application.	08/03/2005
Response to Schedule 4	Full response	10/10/2005
Application variation EPR/BV8016ID/V004	Non technical summary	09/10/2009
Application variation EPR/BV8016ID/V004	Not duly made response letter dated 11/02/2010	12/02/2010
Application variation EPR/BV8016ID/V005	The response to question 5.c in Part C2 of the application.	06/03/2012
Additional information EPR/BV8016ID/V005	Not duly made response email dated 13/03/2012	13/03/2012

## 2.2 Emissions

### 2.2.1 Emissions to Air, (including heat, but excluding Odour, Noise or Vibration) from Specified Points

2.2.1.1 This Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.

2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the source(s) specified in that Table. There are no other specific controls imposed upon emissions to air in Part 2.2.1 of this Permit.

**Table 2.2.1 : Emission points to air**

<b>Emission point reference or description</b>	<b>Source</b>	<b>Location of emission point</b> (stated on drawing number W-bl-303 submitted as part of the application EPR/BV8016ID/V005)
A1	Steam raising boiler No1	Emission point 106
A2	Steam raising boiler No 2	Emission point 106
A3	Steam raising boiler No3	Emission point 106
A4	Steam raising boiler No 4	Emission point 107
A5	Product conveying	Emission point 48
A6	All bran dryer bleed fume extraction	Emission point 50
A7	All bran dryer bleed fume extraction	Emission point 51
A8	All-Bran Cooler Exhaust	Emission point 52
A9	Bran Flakes Oven bleed Fume Extraction	Emission point 55
A10	Bran Flakes Oven bleed Fume Extraction	Emission point 56
A11	RDX oven extraction	Emission point 57
A12	RDX oven bleed fume extraction	Emission point 58
A13	RDX oven bleed fume extraction	Emission point 60
A14	4th Oven bleed Fume extraction	Emission point 92
A15	4th Oven bleed Fume extraction	Emission point 93
A16	4th Oven bleed Fume extraction	Emission point 94
A17	Granola oven cooling extract	Emission point 76
A18	Granola oven 5	Emission point 77
A19	Granola oven 4	Emission point 78
A20	Granola oven 3	Emission point 79
A21	Granola oven 2	Emission point 80
A22	Granola oven 1	Emission point 81
A23	Wet De-duster	Emission point 111
A24	Pellet dryer	Emission point 118
A25	RDX cooked product dryer bleed	Emission point 119

**Schedule 3 – conditions to be added**

None