



ENVIRONMENT
AGENCY

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Wrexham Breakfast Cereals

Kellogg Company of Great Britain Ltd
Bryn Lane
Wrexham Industrial Estate
Wrexham
Clwyd
LL13 9UT

Permit number

BV8016ID

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Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No.1973), as amended, ("the PPC Regulations") to operate an installation carrying out activities covered by the description in Section 6.8 A(1)(d)(ii) in Part 1 to Schedule 1 of the PPC Regulations, to the extent authorised by the Permit:

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 (average value on a quarterly basis).

Aspects of the operation of the installation which are not regulated by conditions of the Permit are subject to the condition implied by Regulation 12(10) of the PPC Regulations, i.e. the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

In some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the installation, to prevent and where that is not practicable to reduce emissions. The conditions do not explain what is BAT. In determining BAT, the Operator should pay particular attention to relevant sections of the IPPC Sector guidance, appropriate Horizontal guidance and other relevant guidance.

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows.

Wrexham Breakfast Cereals produces ready to eat cereals and products derived from these, on four processing lines. A further process produces a granola product and a range of snack bars. The raw materials used in the processes are principally a wide range of grains which are then cooked, dried, formed and toasted prior to packing. Other ingredients such as sugars, fruit and honey may also be added, depending on the product type. The processing of these materials to produce the cereals is the principle listed activity, which falls under Section 6.8 A(1)(d)(ii) of the PPC Regulations.

Major ingredients are delivered to the site and stored in silos. Ingredients are weighed into cookers, where the grains are cooked with malt flavour under pressure. Once cooked, the product is transferred to a drier to reduce the moisture content of the cooked material to a level where it can be formed into a flake or shred depending on the product. After forming, the product is then toasted to create a crisp flake. Further through the process, other ingredients such as fruit, coatings and vitamins are added as necessary. The annual production capacity of the site is in the region of 220 million packets of breakfast cereal. Associated activities to the manufacturing process includes the sampling of raw materials and the storage of finished goods.

The installation is served by 4 boilers, which have a thermal rating of 48MW combined. These are used to produce steam for use in the process. When combined with the thermal rating of the ovens, this takes the sites overall thermal rating to 68MW, and is a listed activity under Section 1.1 A(1)(a) of the PPC 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.

Effluent produced by the site is derived from the cleaning processes on site. All the effluent is discharged via the on-site effluent treatment plant, which is a listed activity under Section 5.3 A(1)(c)(i) of the PPC Regulations, before undergoing further treatment at the sewage treatment works at Five Ffords under a discharge consent from Welsh Water. This is then subsequently discharged into the River Dee. The installation also discharges surface and roof water, which may be contaminated with particulate matter, via balancing ponds, which are aerated prior to discharge to Is y Coed brook, a tributary of the River Dee.

There are a large number of emissions points to air, the significant ones arising from the boilers and ovens. All the emission points from the ovens have abatement systems in place. However no Environmental Quality Standard or Environmental Assessment Level is breached by the site.

Odour has been identified as a potential problem from the Effluent Treatment plant, however through improvements and control, this issue will be resolved.

There are three European Designated sites within 10km of the installation, which are Midlands Meres and Mosses, Johnstown newt site and the River Dee. Consideration has been given to the Midlands Meres and Mosses Ramsar site which is approximately 4km away from the installation. This site is sensitive to acid deposition from oxides of sulphur and nitrogen at the site, and as such, the site will monitor its emissions of these substances from specified emission points to enable monitoring of potential effects, as it has been determined that this site, in combination with other sources, may be having an impact on the site, although the site's own contribution is relatively minor.

The Operator's Environmental Management System is externally accredited to ISO14001.

The Operator also holds a Climate Change Levy Agreement and a number of energy efficiency initiatives are in place.

The site is also occupied by Portable Foods, who manufacture other snack products. However, this operation does not form part of the Installation as it is not directly associated to the activities undertaken within this Installation.

Note that the Permit requires the submission of certain information to the Agency (see Sections 4 and 5). In addition, the Agency has the power to seek further information at any time under regulation 28 to the PPC Regulations provided that it acts reasonably.

Other PPC Permits relating to this installation

| Permit holder | Permit Number | Date of Issue |
|----------------|----------------|----------------|
| Not applicable | Not applicable | Not applicable |

Superseded Licences/Authorisations/Consents relating to this installation

| Holder | Reference Number | Date of Issue |
|--|------------------|---------------|
| Kellogg Company of Great Britain Ltd- Water resources Act Discharge Consent | CM0083601 | 08/12/78 |
| Kellogg Company of Great Britain Ltd- Water resources Act Discharge Consent | CM0097401 | 30/09/85 |

Other activities may take place on the site of this installation which are not regulated under this Permit or any other PPC Permit referred to in the Table above. These activities include

Other existing Licences/Authorisations/Registrations relating to this site

| Holder | Reference Number | Date of issue |
|---|------------------|---------------|
| Kellogg Company of Great Britain Ltd (Dee Water Protection Zone Consent) | DPZ 0041 | 30/11/2000 |

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the requirements of the PPC Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied in the future (by the Agency serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introductory Note to any such Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Agency that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. If, however, the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be "a fit and proper person" as required by the PPC Regulations.

Talking to us

Please quote the Permit Number if you contact the Agency about this Permit.

To give a Notification under Condition 5.1.1, the Operator should use the Incident Hotline telephone number (0800 80 70 60) or any other number notified in writing to the Operator by the Agency for that purpose.

Status Log

| Detail | Date | Response Date |
|---------------------------------|------------------------|---------------------------|
| Application BV8016ID | Received 08/03/05 | |
| Schedule 4 Notice | Request dated 08/09/05 | Response dated 10/10/05 |
| Request to extend determination | Request dated 18/07/05 | Request accepted 22/07/05 |
| Request to extend determination | Request dated 31/10/05 | Request accepted 02/11/05 |
| Back up Cooling water | Received 04/11/05 | |
| Permit determined | 09/11/05 | |

End of Introductory Note.

Permit
Pollution Prevention and Control
Regulations 2000



**ENVIRONMENT
AGENCY**

Permit

Permit number
BV8016ID

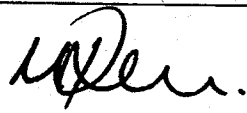
The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations (SI 2000 No 1973), hereby authorises **Kellogg Company of Great Britain Ltd** ("the Operator"),

whose Registered Office is
The Kellogg Building
Talbot Road
Stretford
Manchester
M16 0PU

Company registration number 199171

to operate an Installation at
Kelloggs
Bryn Lane
Wrexham Industrial Estate
Wrexham
Clwyd
LL13 9UT

to the extent authorised by and subject to the conditions of this Permit.

| Signed | Date |
|---|-------------------------|
|  | 09 NOVEMBER 2005 |

M J Peacock

Team Leader, Strategic Permitting Group, Warrington

Authorised to sign on behalf of the Agency

Conditions

1 General

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.

Table 1.1.1

| Activity listed in Schedule 1 of the PPC Regulations / Associated Activity | Description of specified activity | Limits of specified activity |
|--|---|---|
| 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 | Combustion process | Receipt of natural gas and water, burning of fuel in an appliance with a thermal input of 68MW, to air emissions (including the storage and despatch for use of back-up light fuel oil). |
| 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 | 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 . |

1.2 Site

1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in red on the Site Plan at Schedule 5 to this Permit.

1.3 Overarching Management Condition

1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a management system, organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.4 Improvement Programme

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Agency within 14 days of the completion of each such requirement.

Table 1.4.1: Improvement programme

| Reference | Requirement | Date |
|-----------|--|------------|
| 1 | The Operator shall develop a Site Closure Plan having regard to the requirements set out in Section 2.11 of the Agency Guidance Note IPPC S6.10. Upon completion of the plan, a summary of the document shall be submitted to the Agency in writing. | 09/05/2006 |
| 2 | The Operator shall conduct a review of the monitoring methods available for the emission of suspended solids from emission points W1 and W2, having regard for Agency Monitoring Guidance Note M18. A summary of the review shall be submitted in writing to the Agency, along with any improvements identified and associated timescales for implementation. | 09/05/2006 |
| 3 | The Operator shall develop an odour management plan, which shall consider, but not be limited to, the on-site Effluent Treatment Plant, in line with Agency Guidance Note H4. | 09/07/2006 |
| 4 | The Operator shall conduct a review of the performance of the balancing ponds located prior to discharge points W1 and W2. The review shall consider the effectiveness of the balancing ponds for the treatment of the yard and roof water run-off. Upon completion of the review, a report shall be submitted in writing to the Agency, summarising the findings, any improvements identified and associated timescales for implementation. | 09/07/2006 |
| 5 | The Operator shall carry out air emissions monitoring for particulate matter from emission points A6, A7, A8, A9, A10, A11, A12, A13, A14, A15 and A16, in accordance with Monitoring Standard BS EN 13284-1 (unless otherwise agreed in writing with the Agency). Upon completion of the monitoring, the Operator shall carry out an impact assessment from the emissions using Agency Guidance Note H1. The operator shall submit a report detailing the results from the monitoring exercise and the impact assessment. | 09/11/2006 |
| 6 | The Operator shall develop and submit in writing to the Agency, a noise management plan. The plan shall include, but not be limited to, the sources of noise identified in section B9 of the application and the H1 assessment submitted as part of the application. The plan shall identify the significant sources of noise on site, and options available for reducing the impact from these sources. The plan shall also include the timescales for implementation of any measures identified, for approval by the Agency. | 09/11/2006 |

Table 1.4.1: Improvement programme

| Reference | Requirement | Date |
|-----------|---|------------|
| 7 | The Operator shall conduct an investigation into the options available for reducing emissions of Oxides of Sulphur and Oxides of Nitrogen from the combustion plant, with particular emphasis on emissions of Oxides of Nitrogen from the boilers, and Oxides of Sulphur from the Vents numbered 76, 77, 78, 79, 80 and 81 serving the granola ovens. Following the investigation, the operator shall submit a report detailing the outcome, proposed improvements and a timescale for implementation of these improvements to the Agency for approval. | 09/05/2007 |

- 1.4.2 Where the Operator fails to comply with any requirement by the date specified in Table 1.4.1 the Operator shall send written notification of such failure to the Agency within 14 days of such date.

1.5 Minor Operational Changes

- 1.5.1 The Operator shall seek the Agency's written agreement to any minor operational changes under condition 2.1.1 of this Permit by sending to the Agency: written notice of the details of the proposed change including an assessment of its possible effects (including waste production) on risks to the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.
- 1.5.2 Any such change shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.
- 1.5.3 When the qualification "unless otherwise agreed in writing" is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the Agency written notice of the details of the proposed method(s) or techniques.
- 1.5.4 Any such method(s) or techniques shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation using that method or technique, and relevant provisions in the Application and the Site Protection and Monitoring Programme, as the case may be shall be deemed to be amended.

1.6 Pre-Operational Conditions

- 1.6.1 There are no pre-operational conditions

1.7 Off-site Conditions

- 1.7.1 There are no off-site conditions

2 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. | 08/03/05 |
| Response to Schedule 4 | Full response | 10/10/05 |

- 2.1.2 The Permitted Installation shall, subject to the other conditions of this Permit, be operated using the techniques and in the manner described in the Site Protection and Monitoring Programme submitted under condition 4.1.7 of this Permit (as amended from time to time under condition 4.1.7), or as otherwise agreed in writing by the Agency.

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

| Emission point reference or description (as referenced on pages 14 and 15 of the application) | Source | Location of emission point (stated on drawing number W-BL-303r02 submitted as part of the application) |
|---|--|--|
| 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 |

2.2.2 Emissions to water (other than groundwater), including heat, from specified points

2.2.2.1 This Part 2.2.2 of this Permit shall not apply to releases of odour, noise or vibration or to releases to groundwater.

Emissions to water (other than sewer)

2.2.2.2 Conditions 2.2.2.3 - 2.2.2.6 shall not apply to emissions to sewer.

- 2.2.2.3 Emissions to water from the emission point(s) specified in Table 2.2.4 shall only arise from the source(s) specified in that Table

Table 2.2.4: Emission point to water

| Emission Point Reference or description | Source | Receiving Water |
|---|---|---|
| W1- Emission point 108 on drawing number W-BL-303r02 submitted as part of the application | Roof Water, Site drainage and raw water from once through cooling systems discharged via balancing pond and oil interceptor | Is y Coed brook, A Tributary of river Dee |
| W2- Emission point 109 on drawing number W-BL-303r02 submitted as part of the application | Roof Water and Site drainage discharged via balancing pond and oil interceptor | Is y Coed brook, A Tributary of river Dee |

- 2.2.2.4 The limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 2.2.5 shall not be exceeded.
- 2.2.2.5 Where a substance is specified in Table 2.2.5 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration

Table 2.2.5 : Emission limits to water and monitoring

| Emission point reference | Parameter | Limit (including Reference Period) | Monitoring frequency | Monitoring method |
|--------------------------|---------------------------|------------------------------------|-----------------------|--|
| W1 and W2 | Biochemical Oxygen Demand | 30 mg/l | Weekly ⁽¹⁾ | ISO 5815: 1989 (unless otherwise agreed with the Agency) |
| W1 and W2 | Suspended solids | 50 mg/l | Weekly | Photospectrometer ⁽²⁾ |

Note 1: Monitoring shall begin on 1st February 2006.

Note 2: Following written confirmation from the Agency on completion of Improvement Condition 2, ongoing compliance monitoring shall be by the method agreed.

- 2.2.2.6 No condition applies.

Emissions to sewer

- 2.2.2.7 Emissions to sewer from the specified emission points in Table 2.2.7 shall only arise from the source(s) specified in that Table.

Table 2.2.7 Emission points to sewer

| Emission point reference or description | Source | Sewer |
|--|---|--|
| S1 – Emission point 110 on drawing number W-BL-303r02 submitted as part of the application | Process water treated by the on-site Effluent treatment plant | Welsh Water Plc (via the sewer at Bryn Lane, Wrexham to Five Fords Sewage Treatment Works) |

2.2.2.8 Not applicable

2.2.2.9 Not applicable

2.2.2.10 Not applicable

2.2.3 Emissions to groundwater

2.2.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).

2.2.3.2 No emission from within the Permitted Installation shall give rise to the introduction into groundwater of any substance in List II (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)) so as to cause pollution (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).

2.2.3.3 For substances other than those in List I or II (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)), the Operator shall use BAT to prevent or where that is not practicable to reduce emissions to groundwater from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application.

2.2.4 Fugitive emissions of substances to air

2.2.4.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation in particular from:

- storage areas
- buildings
- pipes, valves and other transfer systems
- open surfaces

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5 Fugitive emissions of substances to water and sewer

2.2.5.1 Subject to condition 2.2.5.2 below, the Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to water (other than Groundwater) and sewer from the Permitted Installation in particular from:

- all structures under or over ground
- surfacing
- bunding
- storage areas

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

- 2.2.5.2 There shall be no release to water that would cause a breach of an EQS established by the UK Government to implement the Dangerous Substances Directive 76/464/EEC.

2.2.6 Odour

- 2.2.6.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:

- limiting the use of odorous materials
- restricting odorous activities
- controlling the storage conditions of odorous materials
- controlling processing parameters to minimise the generation of odour
- optimising the performance of abatement systems
- timely monitoring, inspection and maintenance
- employing, where appropriate, an approved odour management plan

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.7 Emissions to Land

- 2.2.7.1 This Part 2.2.7 of this Permit shall not apply to emissions to groundwater.
- 2.2.7.2 No emission from the Permitted Installation shall be made to land.

2.3 Management

- 2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

Training

- 2.3.2 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.
- 2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

Maintenance

- 2.3.5 All plant and equipment used in operating the Permitted Installation, the failure of which could lead to an adverse impact on the environment, shall be maintained in good operating condition.
- 2.3.6 The Operator shall maintain a record of relevant plant and equipment covered by condition 2.3.5 and for such plant and equipment:
 - 2.3.6.1 a written or electronic maintenance programme; and
 - 2.3.6.2 records of its maintenance.

Incidents and Complaints

- 2.3.7 The Operator shall maintain and implement written procedures for:
 - 2.3.7.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits; and
 - 2.3.7.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short term and long term remedial measures and near misses) and prompt implementation of appropriate actions; and
 - 2.3.7.3 ensuring that detailed records are made of all such actions and investigations.
- 2.3.8 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

2.4 Efficient use of raw materials

- 2.4.1 The Operator shall -
 - 2.4.1.1 maintain the raw materials table or description submitted in response to Section 2.4 of the Application and in particular consider on a periodic basis whether there are suitable alternative materials to reduce environmental impact;
 - 2.4.1.2 carry out periodic waste minimisation audits and water use efficiency audits. If such an audit has not been carried out in the 2 years prior to the issue of this Permit, then the first such audit shall take place within 2 years of its issue. The methodology used and an action plan for increasing the efficiency of the use of raw materials or water shall be submitted to the Agency within 2 months of completion of each such audit and a review of the audit and a description of progress made against the action plan shall be submitted to the Agency at least every 4 years thereafter; and
 - 2.4.1.3 ensure that incoming water use is directly measured and recorded.

2.5 Waste Storage and Handling

- 2.5.1 The Operator shall design, maintain and operate all facilities for the storage and handling of waste on the Permitted installation such that there are no releases to water or land during normal operation and that emissions to air and the risk of accidental release to water or land are minimised.

2.6 Waste recovery or disposal

- 2.6.1 Waste produced at the Permitted Installation shall be:

2.6.1.1 recovered to no lesser extent than described in the Application; and

2.6.1.2 where not recovered, disposed of while avoiding or reducing any impacts on the environment provided always that this is not done in any way that would have a greater effect on the environment than that described in the Application.

- 2.6.2 The Operator shall maintain the waste recovery or disposal table or description submitted in response to Section 2.6 of the Application and in particular review the available options for waste recovery and disposal for the purposes of complying with condition 2.6.1 above.

- 2.6.3 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, composition, origin, destination (including whether this is a recovery or disposal operation) and where relevant removal date of any waste that is produced at the Permitted Installation.

2.7 Energy Efficiency

- 2.7.1 The Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by 31 January each year, providing the information required by condition 4.1.2.

- 2.7.2 The Operator shall maintain and update annually an energy management system which shall include, in particular, the monitoring of energy flows and targeting of areas for improving energy efficiency.

- 2.7.3 The Operator shall design, maintain and operate the Permitted Installation so as to secure energy efficiency, taking into account relevant guidance including the Agency's Energy Efficiency Horizontal Guidance Note as from time to time amended. Energy efficiency shall be secured in particular by:

- ensuring that the appropriate operating and maintenance systems are in place;
- ensuring that all plant is adequately insulated to minimise energy loss or gain;
- ensuring that all appropriate containment methods, (e.g. seals and self-closing doors) are employed and maintained to minimise energy loss;
- employing appropriate basic controls, such as simple sensors and timers, to avoid unnecessary discharge of heated water or air;
- where building services constitute more than 5% of the total energy consumption of the installation, identifying and employing the appropriate energy efficiency techniques for

building services, having regard in particular to the Building services part of the Agency's Energy Efficiency Horizontal Guidance Note H2; and

maintaining and implementing an energy efficiency plan which identifies energy saving techniques that are applicable to the activities and their associated environmental benefit and prioritises them, having regard to the appraisal method in the Agency's Energy Efficiency Horizontal Guidance Note H2.

2.8 Accident prevention and control

- 2.8.1 The Operator shall maintain and implement when necessary the accident management plan submitted or described in response to Section 2.8 of the Application. The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Agency notified of the results of the review within 2 months of its completion.

2.9 Noise and Vibration

- 2.9.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation, in particular by:
- equipment maintenance, eg. of fans, pumps, motors, conveyors and mobile plant;
 - use and maintenance of appropriate attenuation, eg. silencers, barriers, enclosures;
 - timing and location of noisy activities and vehicle movements;
 - periodic checking of noise emissions, either qualitatively or quantitatively; and
 - maintenance of building fabric,

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.10 On-site Monitoring

- 2.10.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored from the specified points, for the parameters listed in and to the frequencies and methods described in Tables 2.2.5, unless otherwise agreed in writing, and that the results of such monitoring are assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions.
- 2.10.2 The Operator shall carry out environmental or other specified substance monitoring to the frequencies and methods described in Table 2.10.1

Table 2.10.1 : Other monitoring requirements

| Emission point reference or source or description of point of measurement | Substance or parameter | Monitoring frequency | Monitoring method | Other specifications |
|---|---|----------------------|--|----------------------|
| A1, A2, A3 and A4 | Oxides of Nitrogen (expressed as NO ₂) (mg/m ³) | Every 6 months | ISO 10849 (unless otherwise agreed in writing by the Agency) | |
| A18, A19, A20, A21 and A22 | Oxides of Sulphur (expressed as SO ₂) (mg/m ³) | Every 6 months | BS 6069-4.4 (unless otherwise agreed in writing by the Agency) | |
| S1 | Suspended Solids (mg/l) | Daily | As agreed in writing with the Agency | |
| S1 | Suspended Solids (tonnes/year) | Annual | See Note 1 | |
| W1, W2 and S1 | Chemical Oxygen Demand (mg/l) | Daily | As agreed in writing with the Agency | |
| S1 | Chemical Oxygen Demand (tonnes/year) | Annual | See Note 1 | |
| S1 | Flow (m ³ /day) | Daily | As agreed in writing with the Agency | |

Note 1: Annual emissions of suspended solids and COD shall be calculated by multiplying the result from the daily sample of the substance by the daily flow, for each day in operation.

2.10.3 No condition applies.

2.10.4 No condition applies.

2.10.5 The Operator shall notify the Agency at least 14 days in advance of undertaking monitoring and/ or spot sampling, where such notification has been requested in writing by the Agency.

2.10.6 The Operator shall maintain records of all monitoring taken or carried out (this includes records of the taking and analysis of samples instrument measurements (periodic and continual), calibrations, examinations, tests and surveys) and any assessment or evaluation made on the basis of such data.

2.10.7 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme in condition 2.10.1 of this Permit and the environmental or other monitoring specified in condition 2.10.2 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing.

2.10.8 There shall be provided:

2.10.8.1 safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2 to this Permit, unless otherwise specified in that Schedule; and

2.10.8.2 safe means of access to other sampling/monitoring points when required by the Agency.

2.11 Closure and Decommissioning

- 2.11.1 The Operator shall maintain and operate the Permitted Installation so as to prevent or minimise any pollution risk, including the generation of waste, on closure and decommissioning in particular by:-
- 2.11.1.1 attention to the design of new plant or equipment;
 - 2.11.1.2 the maintenance of a record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out; and
 - 2.11.1.3 the maintenance of a site closure plan to demonstrate that the installation can be decommissioned avoiding any pollution risk and returning the site of operation to a satisfactory state.
- 2.11.2 Notwithstanding condition 2.11.1 of this Permit, the Operator shall carry out a full review of the Site Closure Plan at least every 4 years.
- 2.11.3 The site closure plan shall be implemented on final cessation or decommissioning of the Permitted activities or part thereof.
- 2.11.4 The Operator shall give at least 30 days written notice to the Agency before implementing the site closure plan.

2.12 Multiple Operator installations

- 2.12.1 This is not a multi-Operator installation

2.13 Transfer to effluent treatment plant

- 2.13.1 No transfers to effluent treatment plant are controlled under this part of this Permit.

3 Records

- 3.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
- 3.1.1 be made available for inspection by the Agency at any reasonable time;
 - 3.1.2 be supplied to the Agency on demand and without charge;
 - 3.1.3 be legible;
 - 3.1.4 be made as soon as reasonably practicable;
 - 3.1.5 indicate any amendments which have been made and shall include the original record wherever possible;
 - 3.1.6 be retained at the Permitted Installation, or other location agreed by the Agency in writing, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing; and
 - 3.1.7 where they concern the condition of the site of the Installation or are related to the implementation of the Site Protection and Monitoring Programme, be kept at the Permitted Installation, or other location agreed by the Agency in writing, until all parts of the Permit have been surrendered.

4 Reporting

- 4.1.1 All reports and written and or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to the Agency using the contact details notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall, unless otherwise agreed in writing, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:-
 - 4.1.2.1 in respect of the parameters and emission points specified in Table S2 to Schedule 2;
 - 4.1.2.2 for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - 4.1.2.3 giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - 4.1.2.4 to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall submit to the Agency a report on the performance of the Permitted Installation over the previous year, by 31 January each year, providing the information listed in Tables S4.1 and S4.2 of Schedule 4, assessed at any frequency specified therein, and using the form specified in Table S3 to Schedule 3.
- 4.1.4 The Operator shall review fugitive emissions, having regard to the application of Best Available Techniques, on an annual basis, or such other period as shall be agreed in writing by the Agency, and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them within 3 months of the end of such period.
- 4.1.5 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.6 The Operator shall, within 6 months of receipt of written notice from the Agency, submit to the Agency a report assessing whether all appropriate preventive measures continue to be taken against pollution, in particular through the application of the best available techniques, at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement.
- 4.1.7 The Operator shall, within two months of the date of this permit, submit a detailed Site Protection and Monitoring Programme, in accordance with and using the appropriate template format given in the Land Protection Guidance. The Operator shall implement and maintain the Site Protection and Monitoring Programme (SPMP) submitted under condition 4.1.7, and shall carry out regular reviews of it at a minimum frequency of every 2 years. The results of such reviews and any changes made to the SPMP shall be reported to the Agency within 1 month of the review or change.

5 Notifications

5.1.1 The Operator shall notify the Agency **without delay** of:-

- 5.1.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
- 5.1.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant pollution;
- 5.1.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution; and
- 5.1.1.4 any accident which has caused, is causing or has the potential to cause significant pollution.

5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1, by sending:-

- 5.1.2.1 the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
- 5.1.2.2 the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;

and such information shall be in accordance with that Schedule.

5.1.3 The Operator shall give written notification as soon as practicable prior to any of the following:-

- 5.1.3.1 permanent cessation of the operation of part or all of the Permitted Installation;
- 5.1.3.2 cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
- 5.1.3.3 resumption of the operation of part or all of the Permitted Installation after a cessation notified under condition 5.1.3.2.

5.1.4 The Operator shall notify the Agency, as soon as reasonably practicable, of any information concerning the state of the Site which adds to that provided to the Agency as part of the Application or to that in the Site Protection and Monitoring Programme submitted under condition 4.1.7 of this Permit.

5.1.5 The Operator shall notify the following matters to the Agency in writing within 14 days of their occurrence:-

5.1.5.1 where the Operator is a registered company:-

- any change in the Operator's trading name, registered name or registered office address;
- any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary)
- any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;

5.1.5.2 where the Operator is a corporate body other than a registered company:

- any change in the Operator's name or address;
- any steps taken with a view to the dissolution of the Operator.

5.1.5.3 In any other case: -

- the death of any of the named Operators (where the Operator consists of more than one named individual);

Notifications

- any change in the Operator's name(s) or address(es);
- any steps taken with a view to the Operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership;

5.1.6 Where the Operator has entered into a Climate Change Agreement with the Government, the Operator shall notify the Agency within one month of:-

- 5.1.6.1 a decision by the Secretary of State not to re-certify that Agreement.
- 5.1.6.2 a decision by either the Operator or the Secretary of State to terminate that agreement.
- 5.1.6.3 any subsequent decision by the Secretary of State to re-certify such an Agreement.

5.1.7 Where the Operator has entered into a Direct Participant Agreement in the Emissions Trading Scheme which covers emissions relating to the energy consumption of the activities, the Operator shall notify the Agency within one month of:-

- 5.1.7.1 a decision by the Operator to withdraw from or the Secretary of State to terminate that agreement.
- 5.1.7.2 a failure to comply with an annual target under that Agreement at the end of the trading compliance period.

5.1.8 The Operator shall notify the Agency in writing, of any known or planned introduction or material emission from the permitted installation to sewer, that may increase the concentration of any "dangerous substance", as defined in List I and List II of the Dangerous Substances Directive, 76/464/EEC, and its daughter directives.

6 Interpretation

6.1.1 In this Permit, the following expressions shall have the following meanings:-

"Application" means the application for this Permit, together with any response to a notice served under Schedule 4 to the PPC Regulations and any operational change agreed under the conditions of this Permit.

"background concentration" means such concentration of that substance as is present in:

- water supplied to the site; or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation on to the site.

"BAT" means best available techniques means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these purposes: "available techniques" means "those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the operator"; "best" means "in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole" and "techniques" "includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned". In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT.

"Fugitive emission" means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.2.4, 2.2.2.5, 2.2.2.8 or 2.2.2.9 of this Permit.

"Groundwater" means all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"Land Protection Guidance" means the version of the Agency guidance note "H7 - Guidance on the Protection of Land under the PPC Regime: Application Site Report and Site Protection and Monitoring Programme", including its appended templates for data reporting, which is current at the time of issue of the Permit.

" $L_{Aeq,T}$ " means the equivalent continuous A-weighted sound pressure level in dB determined over time period, T.

" $L_{A90,T}$ " means the A-weighted sound pressure level in dB exceeded for 90% of the time period, T.

" L_{AFmax} " means the maximum A weighted sound level measurement in dB measured with a fast time weighting.

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"Monitoring" includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

"Permitted Installation" means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

Interpretation

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit.

"*Sewer*" means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

"*Staff*" includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"*Year*" means calendar year ending 31 December.

"*6 monthly*" for reporting/sampling means after/during each 6 month period, January to June; July to December and, when sampling, with at least 8 weeks between each sampling date.

"*Quarterly*" for reporting/ sampling means after/during each 3 month period, January to March, April to June, July to September, October to December, and when sampling, with at least 4 weeks between each sample date.

"*Annual*" for reporting/sampling means after/during each year and, when sampling, with at least 4 months between each sampling date.

"*Daily*" means, for sampling purposes, a 24 hour period starting at 7.30 am.

"*Daily flow proportional composite sample*" means a sample obtained by continually taking a sample whose volume is directly proportional to the total effluent flow.

"*Week*" means, for sampling purposes, a period of 7 days starting each Monday at 7.30 am.

"*Biochemical Oxygen Demand*" means biochemical oxygen demand measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea.

"*Chemical Oxygen Demand*" means chemical oxygen demand from a settled sample determined in the presence of acidified potassium dichromate.

"*Suspended Solids*" means those suspended solids measured after drying at 105°C.

"*Compliance Based on Mass Balance Calculation*" means that for the purposes of demonstrating compliance or non-compliance with a specified limit the release shall be calculated. Annual mass releases for Mercury and Cadmium shall be calculated from the maximum potential concentration of the metal present as contamination multiplied by the volume of the chemicals used on site during the Year. An allowance may be deducted for any proportion of the chemicals used that can be demonstrated not to have reached the emission point. The concentration of Mercury and Cadmium shall be calculated from the annual mass release and the volume of effluent discharged during the Year.

"*mg/m³*" means milligram per cubic metre.

"*g/s*" means gram per second.

"*kg/h*" means kilogramme per hour.

"*µg/l*" means microgram per litre.

"*mg/l*" means milligram per litre.

"*g/l*" means gram per litre.

"*kg*" means kilogramme.

"*t*" means tonne.

Interpretation

"MWh" means megawatt hour.

- 6.1.2 Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.
- 6.1.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means:-
 - 6.1.3.1 in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
 - 6.1.3.2 in relation to gases from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content
- 6.1.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1 - Notification of abnormal emissions

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

Part A

| | |
|-------------------------------|--|
| Permit Number | BV8016ID |
| Name of Operator | Kellogg Company of Great Britain Limited |
| Location of Installation | Wrexham Breakfast Cereals |
| Location of the emission | |
| Time and date of the emission | |

| Substance(s) emitted | Media | Best estimate of the quantity or the rate of emission | Time during which the emission took place |
|----------------------|-------|---|---|
| | | | |
| | | | |

| | |
|---|--|
| Measures taken, or intended to be taken, to stop the emission | |
|---|--|

Part B

| | |
|--|--|
| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission | |
| The dates of any unauthorised emissions from the installation in the preceding 24 months. | |

| | |
|-----------|--|
| Name* | |
| Post | |
| Signature | |
| Date | |

* authorised to sign on behalf of Kellogg Company of Great Britain Ltd.

Schedule 2 - Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit, are listed below.

Table S2: Reporting of monitoring data

| Parameter | Emission point | Reporting period | Period begins ⁽¹⁾ |
|--|-------------------------|------------------|------------------------------|
| Sulphur dioxide (mg/m ³) | A18, A19, A20, A21, A22 | Annual | 01/01/06 |
| Oxides of nitrogen (mg/m ³) | A1, A2, A3, A4 | Annual | 01/01/06 |
| Biochemical Oxygen demand (mg/l) | W1, W2 | Quarterly | 01/01/06 |
| Chemical Oxygen demand (mg/l) | W1, W2, S1 | Quarterly | 01/01/06 |
| Chemical Oxygen demand (tonnes/year) | S1 | Annual | 01/01/06 |
| Suspended solids (mg/l) | W1, W2, S1 | Quarterly | 01/01/06 |
| Suspended solids (tonnes/year) | S1 | Annual | 01/01/06 |
| Daily flow (m ³ /day) | S1 | Quarterly | 01/01/06 |
| Water usage (m ³ /year) | Installation | Annual | 01/01/06 |
| Energy usage (MWh/year) | Installation | Annual | 01/01/06 |
| Waste disposal and/or recovery (Tonnes/year) | Installation | Annual | 01/01/06 |

Note (1): Results obtained prior to the period beginning shall be reported with the date that reporting is required.

Schedule 3 - Forms to be used

| Table S3: Reporting Forms | | |
|---------------------------|-------------|--------------|
| Media / parameter | Form Number | Date of Form |
| Air | A1 | 09/11/2005 |
| Water (excluding sewer) | W1 | 09/11/2005 |
| Sewer | S2 | 09/11/2005 |
| Energy | E1 | 09/11/2005 |
| Waste Return | R1 | 09/11/2005 |
| Water usage | WU1 | 09/11/2005 |
| Performance indicators | PI1 | 09/11/2005 |

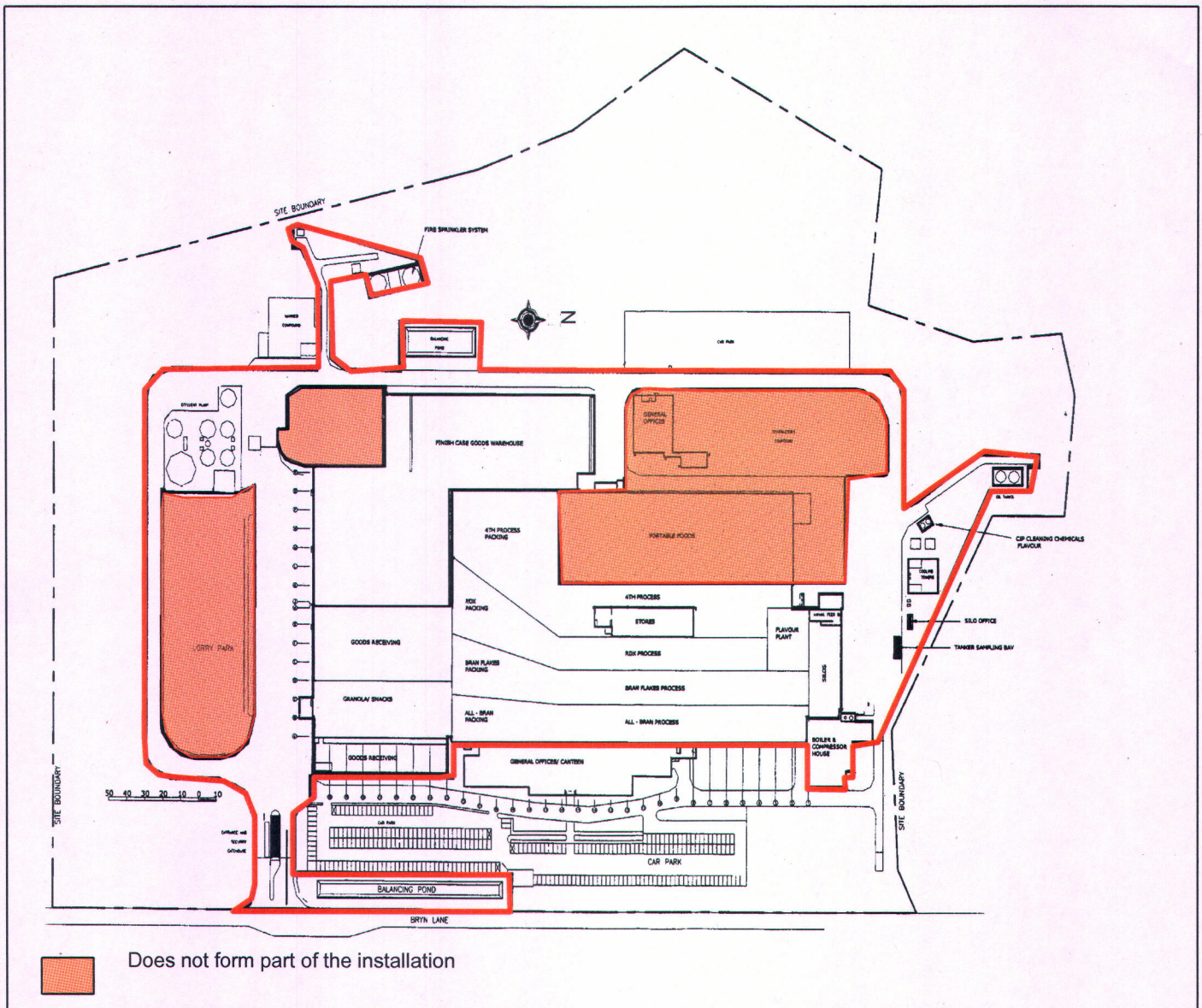
Schedule 4 - Reporting of performance data

Data required to be recorded and reported by Condition 4.1.3. The data should be assessed at the frequency given and reported annually to the Agency.

| Table S4.1: Annual Production/Treatment | |
|---|------------|
| Total Production | x (tonnes) |

| Table S4.2: Performance parameters | | |
|--|-------------------------|-------------------------------|
| Parameter | Frequency of assessment | Performance indicator |
| Releases to sewer | | |
| <ul style="list-style-type: none"> Total Chemical Oxygen Demand release per tonne product | Annual | tonne/tonne product |
| <ul style="list-style-type: none"> Total Suspended Solids release per tonne product | Annual | tonne/tonne product |
| Energy use: | | |
| <ul style="list-style-type: none"> Specific Energy Consumption per tonne product | Annual | MWh/tonne |
| <ul style="list-style-type: none"> primary carbon dioxide per tonne product | Annual | Tonnes/tonne |
| Potable water use | Annual | m ³ /tonne product |
| Non potable water use | Annual | m ³ /tonne product |
| Refrigerant use | Annual | Kg/year |

Schedule 5 - Site Plan



END OF PERMIT