

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Coca-Cola Europacific Partners Great Britain Limited

Edmonton
Unit 10A
Nobel Road
Eley Trading Estate
Edmonton
London
N18 3DJ

Variation application number

EPR/BX5930IU/V008

Permit number

EPR/BX5930IU

Edmonton

Permit number EPR/BX5930IU

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This consolidated permit has been issued following a full review against the best available techniques (BAT) conclusions for the Food, Drink and Milk Industries published on 4th December 2019 in the official journal of the European Union.

We have implemented the requirements of the Medium Combustion Plant directive, and incorporated post-dated requirements for 2030.

The schedules specify the changes made to the permit.

The main features of the permit are as follows.

The installation is located in London at approximately 11km north of the city centre, at national grid reference (NGR) TQ 535417 192525. The site produces a range of bottled soft drinks, having a capacity of producing 4,436 tonnes per day. Key manufacturing activities include water treatment, beverage processing, packing and distribution. The overall operation of the site is the manufacture of soft drinks from water, sugar and various syrups, concentrates and essences followed by subsequent packaging and distribution. The manufacturing activities on site comprise sugar dissolving, mixing of components for drinks and filling. Some beverages may be pasteurised and/or carbonated.

The Environmental Permitting Regulations (EPR) governing the activity of this site are:

Section 6.8 Part A(1) (d)(ii) – Treating and processing for the production of food from only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day.

Section 5.4 Part A(a) (a)(ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC concerning urban wastewater treatment - physico-chemical treatment.

The effluent treatment plant (ETP) was listed as a directly associated activity (DAA) the extant variation. Because the ETP is now discharging to sewer approximately 880 m³ per day, the DAA becomes a listed activity, and the change is shown in Tables S1.1 as AR2.

The site comprises raw material storage, boiler house, education centre and production lines 1, 2, 3, 4, 5, 6 and 7 which include four polyethylene terephthalate (PET) plastic bottle lines, one glass line, one BIB line and one Arca line. The eastern portion of the site includes sugar dissolvers and a water treatment plant. There are five CIP units, one located on lines 1 and 6, one located on line 5, one on lines 2 and 4, one in the front yard and one in the DUSMO process room.

The site has 4 boilers running primarily on natural gas with fuel oil as a backup used for emergencies and maintenance. There are two boilers each with a 1.1 MWth input, a third boiler of 2.2 MWth input, and 4th boiler of 4.0 MWth input. These boilers provide steam for heating, CO₂ vaporisation, heat for pasteurisation and heat for ingredient dissolving. Only two of the three boilers can be used at any one time. Low sulphur fuel and low NO_x burners are used. The boilers emission point is the only air emission point on the installation. The chimney

is 32 m in height. The boilers create high temperature hot water. Emission and efficiency checks are carried out annually and recorded.

As part of the permit review, the scenarios governing the operation of these boilers have been removed as they were based on scenarios developed around production growth, which are not applicable anymore.

There is a special area of conservation (SAC), Epping Forest, and a special protection area (SPA) site, Lee Valley which is also a Ramsar site, both within 10km from the installation. In addition, there are three sites of special scientific interest (SSSI) namely, Chingford Reservoirs, Walthamstow Reservoirs, and Lee Valley within 9km from the installation. Within 1.7km there are seven local wildlife sites (LWS). Human receptors are found at approximately 215m from the site's western boundary.

The Operator has an environmental management system (EMS) accredited to ISO 14001 standard and holds a Climate Change Levy Agreement.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/BX5930IU/A001	Received 24/03/2005	Application received for the production of soft drinks.
Response to request for information	10/11/2005	Requested 05/10/2005
Request to extend determination	23/09/2005	None received
Response to request for further information	03/04/2006	Requested 24/03/2006
Permit determined EPR/BX5930IU	04/04/2006	Permit issued to Coca Cola Enterprises Ltd
Variation EPR/BX5930IU/V002	Duly made 06/04/2010	Replacement of separate soft drink filling machines with combined integrated blow moulding bottle manufacturing and soft drink filling machines, correction to the installation boundary, replaced two 5MW boilers with two boilers of 1.074 MW each, line 5 carbonated line replacement with a still bottling line and installation of a third boiler
Request for further information	11/05/2010	Requested 28/04/2010
Variation issued	04/06/2010	Permit issued to Coca Cola Enterprises Limited
Notified of change of company name and registered office address	Duly made 21/11/2016	Name changed to Coca-Cola European Partners Great Britain Limited and registered office address changed to Pemberton House, Bakers Road, Uxbridge, Middlesex, UB8 1EZ.
Variation issued EPR/BX5930IU/V003	07/12/2016	Varied permit issued to Coca-Cola European Partners Great Britain Limited.
Application EPR/BX5930IU/V004	04/12/2018	Application returned
Application EPR/BX5930IU/V005	Duly made 07/12/2018	Application to add two new product lines and extend the installation boundary.
Additional information received	09/03/2019	Clarification of numbering of the new production lines, Management System summary.
Additional information received	12/03/2019	Additional information relating to bunding.

Status log of the permit		
Description	Date	Comments
Additional information received	17/04/2019	Email detailing additional documents relating to the Site Protection and Monitoring Programme as follows: <ul style="list-style-type: none"> • CCE Edmonton Site Protection Monitoring Programme (SPMP) 3 • Six bi-annual reviews of the SPMP • 11 years of annual SPMP site condition reviews Email detailing 8 documents relating to compliance with the improvement programme. Site investigation files summarising intrusive investigations.
Additional information received	14/05/2019	Email providing details of the effluent storage tanks.
Additional information received	20/05/2019	Email and attachments detailing raw materials list and safety data sheets. Email and attachments detailing information relating to monitoring of emission point S1. Revised site plan, site location map and a plan showing Dusmo effluent pits.
Permit determined EPR/BX5930IU	04/06/2019	Varied and consolidated permit issued to Coca-Cola European Partners Great Britain Limited.
Application EPR/BX5930IU/V006	Duly made 28/05/2020	Variation to replace boiler plant.
Additional information received	23/06/2020	Revised site plan.
Variation issued EPR/BX5930IU/V006	23/06/2020	Permit issued to Coca-Cola European Partners Great Britain Limited
Notified of change of company name	07/10/2021	Name changed to Coca-Cola Europacific Partners Great Britain Limited.
Variation issued EPR/BX5930IU/V007	05/01/2022	Varied permit issued to Coca-Cola Europacific Partners Great Britain Limited.
Application EPR/BX5930IU/V008 (variation and consolidation)	Regulation 61 Notice response received 31/03/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Additional information received	07/03/2024	Emission points site plan, ETP process, number of cooling towers.
Variation determined and consolidation issued EPR/BX5930IU (Billing ref. CP3520PH).	08/04/2024	Varied and consolidated permit issued in modern format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/BX5930IU

Issued to

Coca-Cola Europacific Partners Great Britain Limited (“the operator”)

whose registered office is

Pemberton House

Bakers Road

Uxbridge

UB8 1EZ

company registration number 00027173

to operate a regulated facility at

Edmonton

Unit 10A

Nobel Road

Eley Trading Estate

Edmonton

London

N18 3DJ

to the extent set out in the schedules.

The notice shall take effect from 08/04/2024.

Name	Date
Marcus Woodward	08/04/2024

Authorised on behalf of the Environment Agency.

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BX5930IU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BX5930IU/V008 authorising,

Coca-Cola Europacific Partners Great Britain Limited (“the operator”),

whose registered office is

**Pemberton House
Bakers Road
Uxbridge
UB8 1EZ**

company registration number 00027173

to operate an installation at

**Edmonton
Unit 10A
Nobel Road
Eley Trading Estate
Edmonton
London
N18 3DJ**

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

Name	Date
Marcus Woodward	08/04/2024

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.

- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR2 – Boilers 1, 2, 3, and 4) the first monitoring measurements shall be carried out within four months of 01/01/2030 or of the date when the MCP is first put into operation, whichever is later.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1, S3.2 and S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including 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.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
 - (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
 - (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) 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 of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR1	Section 6.8 Part A(1) (d)(ii)	Treating and processing for the production of food from only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day. Processing of vegetable matter for the production of soft drinks in Lines 1, 2, 3, 4, 5, 6 and 7 (including carbonated soft drinks).	From receipt of raw materials to dispatch of bottled soft drinks finished products Production capacity is limited to 4,436 tonnes per day.
AR2	Section 5.4 Part A(a) (a)(ii)	Physico-chemical treatment of non-hazardous waste waters by pH adjustment.	From the generation of process effluent through to the discharge of 880m ³ daily into foul sewer following equalisation and pH correction.
Directly Associated Activity			
AR3	Steam supply	Medium Combustion plants: Boiler 1: 1.1 MWth Boiler 2: 1.1 MWth Boiler 3: 2.2 MWth Boiler 4: 4.0 MWth Fired on natural gas. Gas oil used for maintenance and emergencies only	From receipt of fuel to release of products of combustion to air. Gas oil to be up to 500 hours per year, only for emergencies or maintenance operations.
AR4	Raw material storage and handling	Storage and handling of raw materials at the installation	From receipt of raw materials to dispatch of final product.
AR5	Use of refrigerants	Use of refrigerants in cooling, chilling and/or freezing systems at the installation.	From receipt of raw materials to dispatch of final product.
AR6	Storage and use of chemicals and oils	Storage and use of chemicals and oils at the installation.	From receipt of chemicals and oils to disposal of wastes arising.
AR7	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.
AR8	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to the site surface water system.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR9	Groundwater abstraction	Abstraction of water and treatment	From groundwater abstraction, through filtration to production use. Including associated equipment and abatement.
AR10	Bottle forming	Processing of performs to manufacture of empty blown bottles for finished product.	From receipt of bottle performs on site, through to the delivery of performs into the integrated manufacturing and filling of the bottles.
AR11	Process cooling waters	Operation of three cooling towers	From operation of cooling towers, including chemical dosing.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in the application, the response to request for information dated 10/11/05 and the revised site plan and emission points received on 03/04/06.	24/03/2005
Minor Operational Change	Email dated 19/10/2006 Replacement Line – Minor Change, plus attachment IPPC Report for Line 5 Edmonton. Email dated 06/12/2006 - IPPC questions plus attachment IPPC revision.	19/10/2006
Variation Application EPR/BX5930IU/V002	The full variation application including revised site plan and emission points, accepted by operator via email on 03/06/2010. Email response for a request for information - 11/05/2010.	06/04/2010
Variation Application EPR/ BX5930IU/V005	Response to form C3, 3a, Technical Standards in Supplementary Data.	07/12/2018
Additional information	Email summarising the revised Management System	09/03/2019
Additional information	Email and attachment summarising secondary containment measures.	12/03/2019
Additional information	Email and attachments demonstrating compliance with Improvement Conditions 1 to 9 in relation to: <ul style="list-style-type: none"> • Surfacing and containment • Run-off to surface water • Disposal of wastes • Closure site report • Subsurface structures • Effluent flow at S1 • Accident Management Plan • CO2 monitoring 	17/04/2019

Table S1.2 Operating techniques		
Description	Parts	Date Received
Variation Application EPR/BX5930IU/V006	Environmental Permit Variation Addendum document sections: 1; 2.2; 2.3	28/05/2020
Regulation 61 (1) Notice – Responses to questions dated 09/11/2021	All parts	31/03/2022
Request for further information dated 31/01/2024	Information concerning BATcs 9, 10, 12, 14, MCPs number and capacity, relevant hazardous substances, and climate change adaptation.	20/02/2024
Additional information dated 04/03/2024	Operation of MCPs, emissions site plan, effluent treatment plant process.	07/03/2024

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC10	<p>The operator shall submit, for approval by the Environment Agency, a report demonstrating achievement of the 'Narrative' BAT conclusions as identified in the Food, Drink and Milk Bref published on 4 December 2019 where BAT 11 is currently not demonstrated or achieved. The report shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • Methodology applied for achieving BAT • Demonstrating that BAT has been achieved. <p>The report shall address the BAT Conclusions for Food, Drink and Milk Industries with respect to BATc 11. Refer to BAT Conclusions for a full description of the BAT requirement.</p>	3 months from permit issued
IC11	<p>The Operator shall undertake a survey of the primary, secondary and tertiary containment of the buffer storage, primary and secondary effluent tanks, and review measures against relevant standard including:</p> <ul style="list-style-type: none"> • CIRIA Containment systems for the prevention of pollution (C736) – Secondary, tertiary and other measures for industrial and commercial premises, • EEMUA 159 - Above ground flat bottomed storage tanks <p>The operator shall submit a written report to the Environment Agency approval which outlines the results of the survey and the review of standard and provide details of</p> <ul style="list-style-type: none"> • current containment measures • any deficiencies identified in comparison to relevant standards, • improvements proposed • time scale for implementation of improvements. <p>The operator shall implement the proposed improvements in line with the timescales agreed by the Environment Agency</p>	12 months from permit issue
IC12	<p>The operator shall produce a climate change adaptation plan, which will form part of the EMS.</p> <p>The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> • Details of how the installation has or could be affected by severe weather; • The scale of the impact of severe weather on the operations within the installation; • An action plan and timetable for any improvements to be made to minimise the impact of severe weather at the installation. 	12 months from permit issue

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.	

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas oil (diesel)	Less than 0.1% sulphur content
Sodium hydroxide (caustic)	Food grade and mercury free
Sodium hypochlorite	Food grade
Refrigerants	F-gas compliant

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7] [Note 1]	Boiler 1 1.1 MWth Natural gas [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Periodic	Every three years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years	MCERTS BS EN15058
	Boiler 2 1.1 MWth Natural gas [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Periodic	Every three years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years	MCERTS BS EN15058
	Boiler 3 2.2 MWth Natural gas [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Periodic	Every three years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years	MCERTS BS EN15058
A2 [Point A2 on site plan in Schedule 7]	Refrigeration system	No parameter set	No limit set	--	--	--
A3 [Point A3 on site plan in Schedule 7] [Note 1]	Boiler 4 4.0 MWth Natural gas [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Periodic	Every three years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years	MCERTS BS EN15058
A4 [Point A4 on site plan in	Carbon dioxide tank	CO ₂	No limit set	--	--	--

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Schedule 7]						
A5 [Point A5 on site plan in Schedule 7]	Nitrogen tank	Nitrogen	No limit set	--	--	--

Note 1 – Emission limit and/or monitoring requirements apply from 1 January 2030, unless otherwise advised by the Environment Agency.

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to River Lee	Uncontaminated run-off from roofs and yards	No parameter set	No limit set	--	--	--
W2 on site plan in schedule 7 emission to River Lee	Uncontaminated run-off from roofs and yards	No parameter set	No limit set	--	--	--

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 [Point S1 on site plan in schedule 7] emission to Thames Water going to Deephams Water Treatment Works.	Effluent drainage from production processes on site	No parameters set	No limit set	--	--	--
S2 [Point S2 on site plan in schedule 7] emission to Thames Water going to Deephams Water	Contaminated surface water from waste skip processing area.	No parameters set	No limit set	--	--	--

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Treatment Works.						
S6 [Point S6 on site plan in schedule 7] emission to Thames Water going to Deephams Water Treatment Works.	Uncontaminated surface run-off and non-process effluent comprising domestic foul.	No parameters set	No limit set	--	--	--

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to air Parameters as required by condition 3.5.1	A1 – Boiler 1 A1 – Boiler 2 A1 – Boiler 3 A3 – Boiler 4	First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter.	From first monitoring requirements in accordance with Condition 3.1.4

Parameter	Units
Production of soft drinks	hectolitres

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Waste – recovery/disposal routes	Annually	tonnes
COD loss efficiency	Annually*	COD te/te product
Food waste	Annually	tonnes

*COD loss efficiency to be calculated on a weekly frequency, reported annually

Parameter	Reporting form	Form version number and date
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Food Waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1 06/02/2023
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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 EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

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 which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“Food waste” reporting: Reporting of food waste to use a methodology such as the global Food Loss and Waste Accounting and Reporting Standard (FLW standard) , WRAP’s Target Measure Act initiative or similar.

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW. An “existing medium combustion plant” is combustion plant operating before 20 December 2018.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Pests” means Birds, Vermin and Insects.

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.

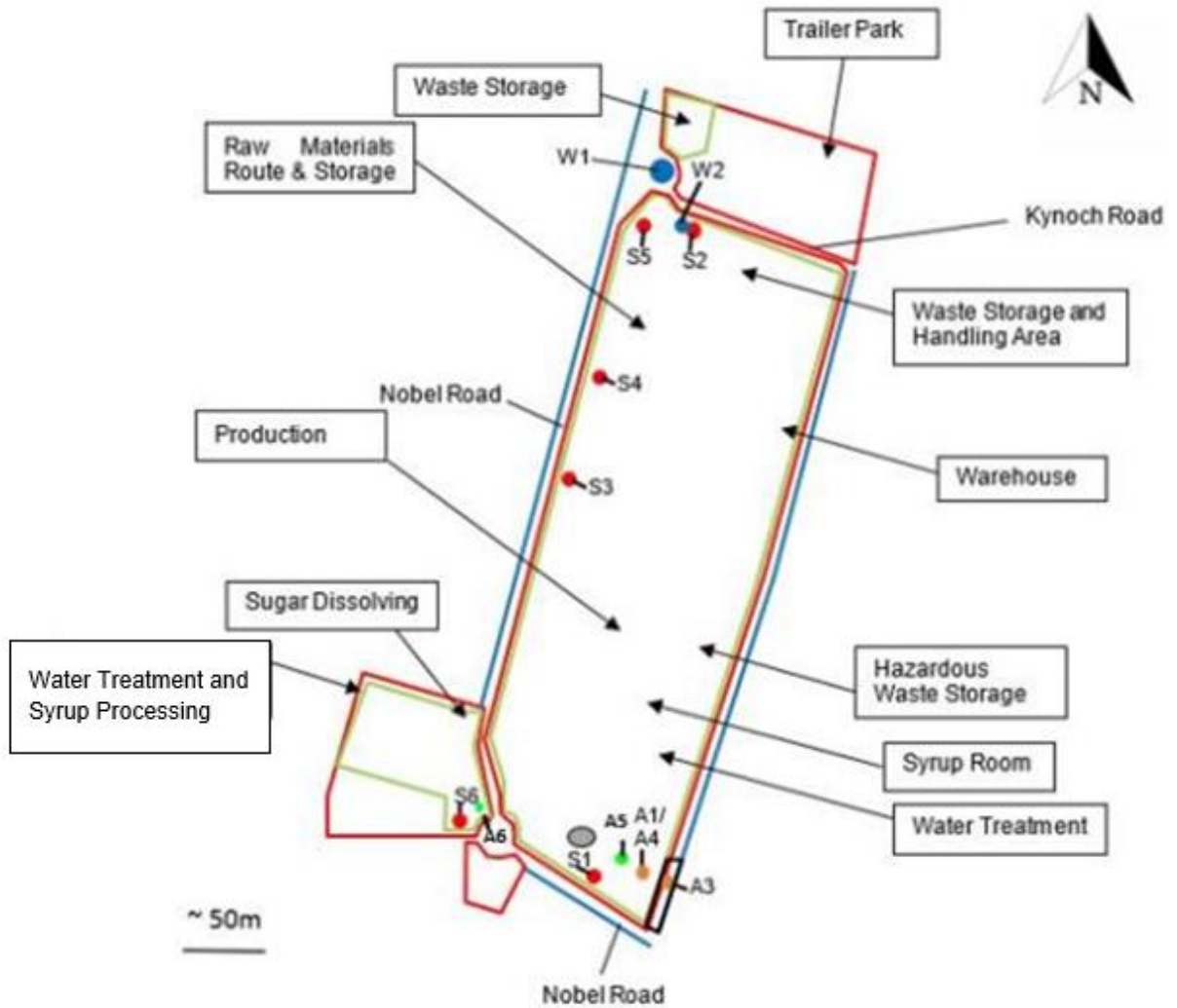
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions 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 other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels; and/or
- in relation to emissions 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

“year” means calendar year ending 31 December.

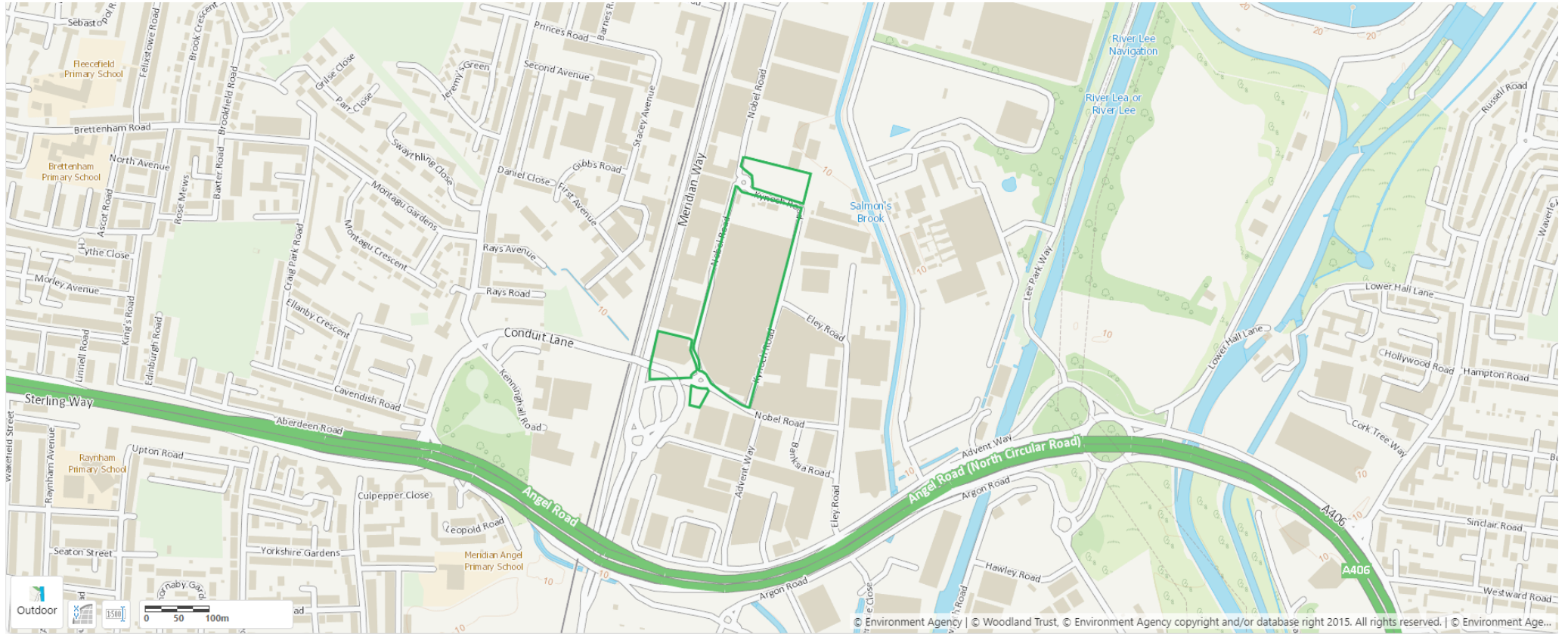
Schedule 7 – Site plan

- Boiler Gases
- Fugitive Gases
- Water Discharge Points
- Effluent Discharge Points
- Site Boundary
- Permit Boundary
- Boundary of other Properties
- Borehole



- Boiler Gases
- Fugitive Gases
- Water Discharge Points
- Effluent Discharge Points
- Site Boundary
- Permit Boundary
- Boundary of other Properties
- Borehole

Site layout



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END OF PERMIT