

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Britvic Soft Drinks Limited
Beckton Soft Drinks Factory
London Industrial Estate
9 Roding Lane
Beckton
London
E6 6LF

Variation application number

EPR/BN2832IK/V005

Permit number

EPR/BN2832IK

Beckton Soft Drinks Factory

Permit number EPR/BN2832IK

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. Only the variations specified in schedule 1 are subject to a right of appeal.

The installation includes a process yard, recycling area, sugar, juice and gas tanks, production area including boiler house services and hydrochloric acid tank, polyethylene terephthalate (PET) blow moulding, raw and waste material and finished goods storage areas. The site operates under a number of management systems and is accredited with ISO 9001, ISO 14001 and ISO 45001. In addition the site has its own Environmental Management System which is updated annually and includes an environmental Aspects and Impacts Register. The installation is party to an underlying climate change levy agreement – facility number FDF1/T00375.

The production operation includes a number of stages namely:

- Receiving, handling, storage and preparation of raw materials, ingredients and packaging
- Processing of ingredients including the preparation, blending and dilution
- De-palletising of packaging for use in manufacturing of product
- Pasteurisation of specific products
- Filling of product, including bottle rinsing, filling, capping and labelling
- Packing of bottles into different formats
- Palletising of manufactured products before storage and dispatch.

This substantial variation comprises:

- Recommissioning of production lines 1 and 2 and commissioning and operation of a new production line (Line 6) and associated ancillary equipment.
- Operation of two existing gas fired boilers in duty mode during peak demand.
- Addition of a further HCl tank to aid balancing of process effluent pH.
- Volumatic increase in process effluent discharge to sewer from 909m³/day to 1800m³/day
- Consolidation of the permit but not updating to modern format.

The schedules specify the changes made to the permit.

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/BN2832IK/A001	Received 22/03/2005	
Response to request for information	04/07/2005	Responses dated 15/07/2005 and 26/07/2005.
Response to request for information	17/08/2005	Response dated 24/08/2005.
Response to request for information	26/08/2005	Response dated 05/09/2005.
Request to extend determination	25/08/2005	Request accepted 06/09/2005.
Permit determined EPR/BN2832IK	04/11/2005	
Variation EPR/BN2832IK/V002	Duly made 19/02/2010	Variation to include an electro-chlorination plant to replace the existing chlorine gas plant at the site.
Response to request for information	24/02/2010	Response dated 24/02/2010.
Variation determined EPR/BN2832IK	26/02/2010	Varied permit issued.
Variation EPR/BN2832IK/V003	Duly made 31/05/2011	Application to vary the permit to include a new sugar dissolution plant.
Amended site plan	25/05/2011	Received 25/05/2011.
Response to request for further information	02/06/2011	Received 06/06/2011.
Variation EPR/BN2832IK/V004	Duly made 10/10/2016	Application to replace Lines 1 and 2 with Line 5, amend all previous permit errors and consolidate permit in the old format.
Response to request for further information (Schedule 5 Notice)	Received 31/10/2016	Clarification of new line operating procedures and outputs.
Variation determined EPR/BN2832IK (billing ref: WP3138DL).	30/11/2016	Varied and consolidated permit issued.
Variation EPR/BN2832IK/V005	Duly made 25/05/2022	Application to recommission production lines 1 and 2, add new line 6, operation of 2 existing boilers in duty mode, volumetric increase in process effluent to sewer, addition of new HCl tank and consolidate permit in the old format.
Response to request for further information (Schedule 5 Notice)	Received 24/08/2022	ADMS air dispersion modelling report
Response to request for further information (Schedule 5 Notice)	Received 23/09/2022	Conformation of parameters used in H1 risk assessment tool and sewage treatment reduction factors.
Response to request for further information (Schedule 5 Notice)	Received 16/11/2022	Influent wastewater characteristics and ETP treatment capacity and process. Details relating to HCL grade and storage tank design specifications. Permitted boundary map clarifications.

Status log of the permit		
Description	Date	Comments
Variation determined EPR/BN2832IK	06/07/2023	Varied and consolidated permit issued.

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/BN2832IK

Issued to

Britvic Soft Drinks Limited (“the operator”)

whose registered office is

**Breakspear Park
Breakspur Way
Hemel Hempstead
Hertfordshire
HR2 4TZ**

company registration number 00517211

to operate a regulated facility at

**Beckton Soft Drinks Factory
London Industrial Estate
9 Roding Lane
Beckton
London
E6 6LF**

to the extent set out in the schedules.

The notice shall take effect from 06/07/2023

Name	Date
Daniel Timney	06/07/2023

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were varied as a result of the application made by the operator:

Table 1.1.1

- amend description of specified activity and limits of specified activity to incorporate recommissioning of production lines 1 and 2 and addition of production line 6.
- amend directly associated activity, limits of specified activity wording for steam and heat generation to remove reference to 'limited to one boiler running at any time', amend boiler ratings to reflect thermal input rating and remove reference to 'standby'.

Table 2.1.1 – amended to include operating techniques as a result of variation application.

Table 2.2.1 – amended to remove reference to 'standby boiler' for emission point A1.1 and add emission point A4

Table 2.2.2 – amended to reflect MCPD monitoring requirements for emission points A1 and A1.1 and add emission point A4.

Schedule 2, Table S2 updated to include emission point A1 and A1.1 and reporting period.

Schedule 3, Table S3 updated to include Air reporting form.

Schedule 5 – updated site plan

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BN2832IK

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BN2832IK/V005 authorising,

Britvic Soft Drinks Limited (“the operator”),

whose registered office is

**Breakspear Park
Breakspur Way
Hemel Hempstead
Hertfordshire
HR2 4TZ**

company registration number 00517211

to operate an installation at

**Beckton Soft Drinks Factory
London Industrial Estate
9 Roding Lane
Beckton
London
E6 6LF**

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

Name	Date
Daniel Timney	06/07/2023

Authorised on behalf of the Environment Agency

Conditions

Variation and consolidation
application number
EPR/BN2832IK/V005

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 Permitted Activities		
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 (average value on a quarterly basis).	Processing vegetable matter for the production of soft drinks on lines 1, 2, 3, 4, 5 and 6.	Lines 1, 2 and 6 pre-commissioning and commissioning: From receipt and use of raw materials to the dispatch of finished product from lines 3, 4 and 5 including pasteurisation and production of carbonated and non-carbonated soft drinks plus associated equipment and abatement and the operation of lines 1, 2 and 6 only under commissioning. From receipt and use of raw materials to the dispatch of finished product from lines 1, 2, 3, 4, 5 and 6 including pasteurisation and production of carbonated and non-carbonated soft drinks plus associated equipment and abatement.
Section 5.4 A(1)a(ii): Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment. D9: physic-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered in D1 to D12 .	Treatment of effluent by physico-chemical means.	From the collection of effluent generated on site to the treatment on site (settlement, screening and pH balancing) and subsequent release to foul sewer and solid waste for off site disposal. Restricted to a maximum of 1800m ³ /day.

Directly Associated Activities

Description of specified activity	Limits of specified activity
Treatment of incoming mains water.	From incoming mains water treatment for a) boiler feed water usage and b) soft drinks production on site.
Raw material storage.	Delivery and storage of raw materials.
Steam and heat generation: two 11.2MWth boilers (Duty mode).	Generation of steam and heat in two natural gas fired boilers for use in process (pasteurisation).
Waste storage.	From generation of waste to removal from site.
Sugar dissolving plant.	From receipt of granulated sugar, dissolution to liquid sugars on-site to use in the soft drinks production process.
Two carbon dioxide gas (50 tonnes each) and two nitrogen gas (50 tonnes each) storage tanks.	From delivery and storage of carbon dioxide gas and nitrogen gas in on-site storage tanks to the use in the carbonation and syrup production processes.
Electro-chlorination plant and system.	From the receipt of raw materials and water, injection of hypochlorite solution for sanitising production processes and CIP to the removal of waste wash/cleaning waters from site.
Refrigeration plant.	Provision of chilled water for product temperature control.
Production of PET bottles.	From the delivery of preforms, blowing of bottles into usable forms, filling of bottles to the storage and off site removal of final product.
Full goods storage (warehousing).	From finished product to off site removal of final product.

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 blue on the Site Plan at Schedule 5 to this Permit, excluding the area edged in red on the site plan that represents the edge of the extent of the installation covered by 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
IC1	The Operator shall develop a written Site Closure Plan with regards to the requirements set out in Section 2.11 of the Agency Guidance Note IPPC S6.10, August 2003. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing.	Completed
IC2	The Operator shall ensure that a review of the design, construction and integrity of the sites secondary and tertiary containment is carried out by a qualified structural engineer. The review shall compare the sites constructed secondary containment and catchment areas against the standards set out in CIRIA C736 - Containment Systems for the Prevention of Pollution - secondary, tertiary and other measures for industrial and commercial premises. The review shall include but not be limited to design specification including calculations, suitability and integrity of the sites secondary and tertiary containment, and any work required to ensure compliance with the standards set out in CIRIA C736. A written report of the review shall be submitted to the Environment Agency for approval detailing the review's findings and recommendations including a timetable to implement any measures identified. The notification requirements of condition 1.4.1 will be deemed to have been complied with on submission of the assessment.	Completed
IC3	The Operator shall submit the written protocol referenced in condition 2.10.4 for the monitoring of soil and groundwater for approval by the Environment Agency. The protocol shall demonstrate how the Operator will meet the requirements of Articles 14(1)(b), 14(1)(e) and 16(2) of the IED. The procedure shall be implemented in accordance with the written approval from the Environment Agency. The notification requirements of condition 5.1.1 will be deemed to have been complied with on submission of the assessment.	Completed

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 EPR/BN28321K/A001	The response to questions 2.1 and 2.2 of the application.	29/03/2005
Variation EPR/BN28321K/V002	The whole application.	19/02/2010
Variation EPR/BN28321K/V003	The whole application.	31/05/2011
Further information EPR/BN28321K/V003	Transfer and storage controls.	16/05/2001
Further information EPR/BN28321K/V003	Dust controls.	06/06/2011
Variation Application EPR/BN28321K/V004	Application Supporting Documents: Bec01 – non-technical summary. Bec04 – technical description of process. Bec05 – Britvic Beckton raw materials process flows and losses.	14/07/2016
Variation Application EPR/BN28321K/V004	The responses to all the questions in the Schedule 5 Notice dated 11 November 2016.	31/10/2016
Variation Application EPR/BN28321K/V005	All Sections of the application document in response to section 3a – technical standards , Part C3 of the application form. Technical standards in relation to Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions for the food, drink and milk industries BAT Conclusions Numbers 1 to 15 and 33.	25/05/2022
EPR/BN28321K/V005 Air dispersion modelling report	Air Quality parameters –volumetric flow rates stated within section A.1 of air quality dispersion modelling report dated 23 rd August 2022.	24/08/2022
Variation Application EPR/BN28321K/V005	The responses to all the questions in the Schedule 5 Notice dated 23/08/2022.	23/09/2022
Variation Application EPR/BN28321K/V005	The responses to all the questions in the Schedule 5 Notice dated 23/08/2022.	16/11/2022

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 sources specified in that Table.

Table 2.2.1 Emission points to air

Emission point reference or description	Source	Location of emission point
A1 – gas fired boiler.	Steam and heat raising boiler (11.2MWth via dedicated stack).	Boiler house. Point A1 on site plan in Schedule 5.
A1.1 – gas fired boiler.	Steam and heat raising boiler (11.2MWth via dedicated stack).	Boiler house. Point A1.1 on site plan in Schedule 5.
A2	Hydrogen chloride three stage water scrubber on hydrochloric acid bulk storage tank.	Point A2 on site plan in Schedule 5.
A3	Degassing column on electro-chlorination plant.	Point A3 on site plan in Schedule 5.
A4	HCL bulk storage tank.	Point A4 on site plan in Schedule 5.

Table 2.2.2 Emission limits to air and monitoring

Emission point reference	Parameter	Limit (incl. ref period)	Monitoring frequency	Monitoring method
A1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	113mg/m ³ Periodic	Annually	MCERTS BS EN 14792
A1.1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	113mg/m ³ Periodic	Annually	MCERTS BS EN 14792
A2	None	---	---	---
A3	None	---	---	---
A4	None	---	---	---

Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O₂ content of 15% for engines and gas turbines and 3% all other MCPs.

2.2.1.3 No condition applies.

2.2.1.4 No condition applies.

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.

- 2.2.2.2 Conditions 2.2.2.3 - 2.2.2.6 shall not apply to emissions to sewer.
- 2.2.2.3 No emission from the Permitted Installation shall be made to water.
- 2.2.2.4 No condition applies.
- 2.2.2.5 No condition applies.
- 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 sources specified in that Table.

Table 2.2.7: Emission points to sewer

Emission point reference or description	Source	Sewer
S1 – on site plan in Schedule 5.	Process effluent post pH adjustment.	Thames Water.
S2 - on site plan in Schedule 5.	Uncontaminated surface water runoff.	Thames Water.
S3 - on site plan in Schedule 5.	Domestic/foul water.	Thames Water.

- 2.2.2.8 No condition applies.
- 2.2.2.9 No condition applies.
- 2.2.2.10 No condition applies.

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 (SI 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 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.

2.2.6.2 The operator shall:

- 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;
- implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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.

2.2.7.3 No condition applies.

2.2.8 Equivalent parameters or technical measures

2.2.8.1 No condition applies.

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.
- 2.3.9 No condition applies.

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 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.
- 2.5.2 The Operator shall use BAT so as to prevent or where that is not practicable to reduce emissions of litter from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

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 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.

2.6.4 No condition applies.

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 Permitted 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 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

2.9.1.1 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.

2.9.1.2 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.

2.9.2 No condition applies.

2.9.3 No condition applies.

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 2.2.2 and 2.10.1, 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
S1 (process effluent) on site plan in Schedule 5 in EPR/BN2832IK/V004	Chemical Oxygen Demand (mg/m ³)	6 monthly	BS ISO 15705:2002, BS 6068-2.80:2002	UKAS accredited laboratory testing
	pH	Continuous	BS 6068-2.50:1995, ISO 10523:1994	MCERTS
S2 (uncontaminated surface water on site plan in Schedule 5 in EPR/BN2832IK/V004	---	---	---	---
S3 (domestic/foul water) on site plan in Schedule 5 in EPR/BN2832IK/V004	---	---	---	---

2.10.3 No condition applies.

2.10.4 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.

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 No condition applies.
- 2.10.8 No condition applies.
- 2.10.9 The Operator shall carry out the on-going monitoring identified in the Site Protection and Monitoring Programme submitted under condition 4.1.7, unless otherwise agreed in writing by the Agency.
- 2.10.10 No condition applies.

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 Permitted 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 transfer from the Permitted Installation shall be made to effluent treatment plant.
- 2.13.2 No condition applies.

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 this condition, 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 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.

5.1.2 Any information provided under condition 5.1.1 (a)(i) or 5.1.1 (b)(i) shall be confirmed by sending the information listed in schedule 1 to this permit within the time period specified in 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);

- 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 water or 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 2.2.1.3, 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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.

“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.

“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.

“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.

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

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

"mg/m³" means milligramme per cubic metre.

"mg/l" means milligramme per litre.

"mWh" means mega watt hours.

"kg" means kilogramme.

- 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	
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	
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 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 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
Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	A1 and A1.1	Annual	06/07/2023
Water usage	Permitted Installation	Annual	01/12/2005
Energy usage	Permitted Installation	Annual	01/12/2005
Waste disposal and/or recovery	Permitted Installation	Annual	01/12/2005
pH	S1	6 months	01/12/2005
Chemical Oxygen Demand	S1	6 months	01/12/2005

Schedule 3 - Forms to be used

Table S3: Reporting Forms		
Media/parameter	Form number	Date of form
Air	A1	06/07/2023
Water usage	WU1	01/12/2005
Energy usage	E1	01/12/2005
Waste disposal and/or recovery	W1	01/12/2005
Sewer	S1	01/12/2005
Performance indicators	E1	01/12/2005

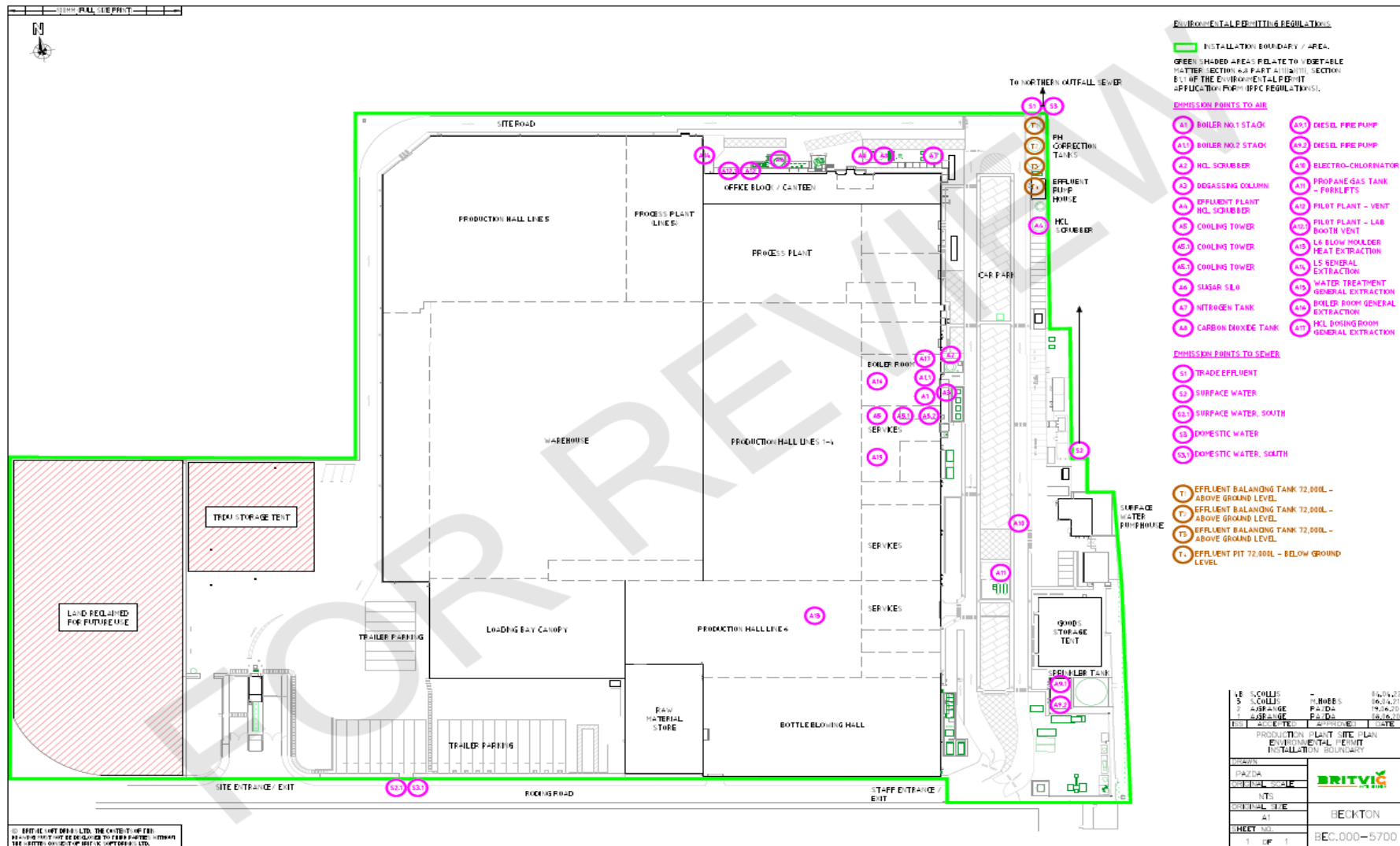
Schedule 4 - Reporting of performance data

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	
Soft drinks production	Tonnes per year
Soft drinks production v Volume of incoming water	Tonnes per year/m ³
Soft drinks production v Energy usage	Tonnes per year/mWh

Table S4.2: Performance parameters		
Parameter	Frequency of assessment	Performance indicator
Potable water use	Annually	m ³
Non potable water use	Annually	m ³
Disposal of hazardous waste	Annually	m ³
Disposal of non-hazardous waste	Annually	m ³

Schedule 5 - Site plan



END OF PERMIT

Permit number
EPR/BN2832IK