

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Arla Foods Limited
Oakthorpe Dairy
Chequers Way
Palmers Green
London
N13 6DA

Variation application number

EPR/BN0465IG/V004

Permit number

EPR/BN0465IG

Oakthorpe Dairy

Permit number EPR/BN0465IG

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 variation authorises the following changes on site:

- Increase in annual production volume to a maximum of 550 million litres of raw milk from the currently permitted volume of 380 million litres. The theoretical maximum capacity of the site will remain unchanged at 620 million litres per annum.
- Phased replacement and upgrading of onsite refrigeration equipment.
- Installation of a new high-speed filling line fed from existing processing equipment
- Alteration of the internal space currently allocated to the TET (Tetrainers) returns area and the 'medium care' area to accommodate the new filling line and maximise the utilisation of the existing space.
- Addition of a further tanker import bay.

The original introductory note has been included and updated as below.

The installation is centred at grid reference TQ 32050 92373 and covers an area of approximately 8.5 hectares. The site is predominantly covered by buildings and concrete hardstanding. The roughly rectangular shaped site is located in an urban area in North London. The southern and eastern boundaries of the site are formed by Pymmes Brook, beyond which is a school and residential properties to the south and playing fields to the east. The western boundary of the site is formed by Chequers Way, beyond which are residential properties. The northern boundary of the site is formed by the fence line of residential properties.

There are three European designated habitats within 10,000m of the installation and 15 local wildlife sites within 2,000m of the installation.

The dairy receives approximately 550 million litres of raw milk per year from farms by dedicated road tanker. The milk is unloaded in the milk reception area located at the western end of the main building and pumped into storage silos ready for processing. The raw milk is then processed and pasteurised, cooled and then transferred to the finished milk silos. The steam required for these processes is raised by three natural gas fuelled boilers. Products comprise of skimmed milk, semi-skimmed milk, full cream milk and cream which is packaged on site and delivered to stores or distributed to other sites for further processing. The finished milk and cream is packaged into plastic containers that are blow moulded in an on-site facility. This blow moulding facility is outside the scope of this permit. The packaged milk and cream is then loaded onto heavy goods vehicles for distribution to regional distribution centres or direct to the customer. Refuelling facilities are available on-site for the distribution vehicles and comprises of two above ground storage tanks containing red and white diesel, connected to distribution pumps (red diesel is used in the refrigeration units on the HGVs). A reverse osmosis plant recovers milk from rise water.

Emissions to air comprise combustion products from the boiler operation, discharged via a single stack. There are three boilers in use, all fired on an uninterruptible natural gas supply, with a combined thermal input of 5.27MW.

The drainage network onsite is divided into two categories: surface water drainage and combined process effluent and foul water. Surface water runoff is discharged to Pymmes Brook and process effluent is discharged to the public sewerage system under a trade effluent discharge consent issued by Thames Water Utilities Ltd (Ref: TDEE0501)

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 received EPR/BN0465IG/A001	Received 29/03/05	
Permit determined EPR/BN0465IG/A001	06/03/06	Permit issued to Arla Foods Limited.
Application EPR/BN0465IG/V002 (variation)	Duly made 01/02/10	Variation to include a reverse osmosis plant and installation boundary extension.
Further Information received	01/02/10	Revised Site Plan
Variation determined EPR/BN0465IG/V002 (Billing ref: AP3431KM)	17/02/10	Varied permit issued.
Application EPR/BN0465IG/V003 (variation and consolidation)	Duly made 07/07/15	Application to vary the permit to include a new effluent treatment plant.
Response to Schedule 5 request for further information	28/09/15	Site condition report clarifications, revised pollution risk assessment and management plan, revised noise/vibration managing plan, effluent and odour monitoring and abnormal operating conditions and action plan.
E-mail providing further information.	05/10/15	Confirmation of odour emission points to air, emission points to sewer and in process monitoring.
Response to Schedule 5 request for further information	27/10/15	Confirmation and comparison of installed equipment and noise abatement control measures against original BS4142:2104 impact assessment, together with updated NVMP tables.
Variation determined EPR/BN0465IG/V003 (Billing ref: QP3234NB)	19/11/15	Varied and consolidated permit issued.
Application EPR/BN0465IG/V004 (variation and consolidation)	Duly made 03/06/18	Variation application to update permit to modern condition and authorise the following changes on site: <ul style="list-style-type: none"> • Installation of a new high-speed filling line • Alteration of the 'medium care' area • Addition of a further tanker import bay
Additional information received (EPR/BN0465IG/V004)	28/09/18	Submission of Noise Impact Assessment & Noise Management Plan
	19/11/18	Receipt of updated site plan.
	23/11/18	Receipt of acoustic data & location of new chiller equipment.

Status log of the permit		
Description	Date	Comments
	14/12/18	Confirmation of the location of chillers to be installed under Phase 1
Variation determined EPR/BN0465IG/V004 (PAS/Billing Ref: BP3337JN)	14/03/19	Varied 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/BN0465IG

Issued to

Arla Foods Limited (“the operator”)

whose registered office is

**Arla House
4 Savannah Way
Leeds Valley Park
Leeds
Yorkshire
LS10 1AB**

company registration number 02143253

to operate a regulated facility at

**Oakthorpe Dairy
Chequers Way
Palmers Green
London
N13 6DA**

to the extent set out in the schedules.

The notice shall take effect from 14/03/2019

Name	Date
M Bischer	14/03/2019

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BN0465IG

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BN0465IG/V004 authorising,

Arla Foods Ltd (“the operator”),

whose registered office is

**Arla House
4 Savannah Way
Leeds Valley Park
Leeds
Yorkshire
LS10 1AB**

company registration number 02143253

to operate an installation at

**Oakthorpe Dairy
Chequers Way
Palmers Green
London
N13 6DA**

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

Name	Date
M Bischer	14/03/2019

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.

3.2 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.8 Part A(1) (e) Treating and processing milk, the quantity of milk received being more than 200 tonnes per day.	Milk processing, treating and processing milk	From receipt of raw materials to the despatch of finished product.
Section 5.4 Part 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	Primary effluent treatment D9 Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12;	From the receipt of effluent generated on site to the treatment on site in a DAF plant followed by the discharge of treated effluent to sewer
Directly Associated Activity		
Steam and heat generation	Two 1.846MW steam raising boilers and one 1.579MW steam raising boiler fired on gas.	From the three steam raising boilers to supply steam to the production processing lines.
Refrigeration	Generation of refrigerant for activities such as chilling and refrigerated storage.	Receipt and storage of raw materials and products
Waste storage and handling	Storage, handling, transfer and disposal of waste arising from processing activities.	From the generation of waste to offsite disposal of waste.
Roof and surface water drainage	Collection of uncontaminated roof and surface water	Discharge of uncontaminated roof and surface water into the Pymmes Brook
Filtration of milk rinse effluent	Filtration of milk rinse effluent in a reverse osmosis unit and holding rinse effluent in a balancing tank	From receipt of white water wash water generated on site into the RO unit to discharge out of the RO and holding rinse effluent in a balancing tank
Precipitated waste storage	Temporary storage of precipitated DAF waste solids pending removal off site.	From receipt for precipitated DAF waste solids and receipt into the sludge holding tank pending removal off site via road tanker.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.2 of the Application, as detailed in sections 2.2.1 to 2.2.6 (emissions control), 2.3 (management) 2.5 (waste handling) 2.8 (accidents) of the application, Enclosure A (Site Drawings) and enclosure C ("Oakthorpe Technical Descriptions").	29/03/05
Application	Cooling of refrigerated trailer units via electrical hook up – section 2.9 of the application	29/03/05
Variation application AP3431KM	Sections 1 (variation description), Section 2 (substantial change criteria), Sections 3-5 (Application Forms) and Section 6 (H1 Pollution risk assessment and management plan).	15/01/10
Variation Application EPR/BN0465IG/V003	The response to questions in section 3, form EPC – Part C3 of the application form and Sections 6, 7, 8, 9 and 15 of the application document.	02/06/15
Response to Schedule 5 request for further information dated 08/09/15	Response to questions 4, 5, 6.1, 6.2, 6.3 and 7.	13/10/15
E-mail containing further information 08/09/15	Confirmation of odour emission points to air, emission points to sewer and In process monitoring.	05/10/15
Response to Schedule 5 request for further information dated 15/10/15	Amended BS4142:2014 noise risk assessment MDS/8370/1123/02 dated 23/09/15, updated NVMP tables Doc ref: 5401-004 issue 4 and confirmation of installed plant/equipment.	27/10/15
Application EPR/BN0465IG/V004	Application Forms Parts C2 & C3 The following sections of the application supporting information: Non-Technical Summary <ul style="list-style-type: none"> • Section 1 'What activities are you applying for?' • Section 2 'Emissions to, Air, Water & Land' • Section 3 'Operating techniques' Parts 3a – 3c (excluding part 3d) • Section 4 'Monitoring' • Appendix A 'Drawings' 	Received 27/03/18 Duly Made 03/06/18
Response to Schedule 5 request for further information dated 10/08/18	Acoustic Assessment 'Report Reference: B4921 R IPPC Acoustic Assessment'	28/09/18
E-mail containing further information 23/11/2018	Submission of sound levels for the new refrigeration equipment to be installed.	23/11/18
E-mail containing further information 14/12/18	Map indicating the location of new equipment to be installed in 2019.	14/12/18

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall identify additional attenuation measures, and submit proposals for the further attenuation and/or management of noise in order to mitigate the impact on the properties which back onto Chequers way and overlook the eastern side of the installation.</p> <p>The proposals shall include a timescale, to be agreed with the Environment Agency, for the implementation of the proposed measures.</p>	Within six months of permit issued.
IC2	<p>The Operator shall prepare and submit a comprehensive noise assessment report undertaken by an experienced and suitably qualified person in accordance with the procedures given in BS4142:2014 (Methods for rating and assessing industrial and commercial sound). The assessment shall include the identification and assessment of the impact of noise emissions upon surrounding sensitive receptors arising from the operation of the installation including the new refrigeration equipment proposed in variation application EPR/BN0465IG/V004.</p> <p>In the event that the report shows that noise could have an adverse impact, the report shall include proposals for the further attenuation and/or management of noise and shall include a timescale, to be agreed with the Environment Agency, for the implementation of the proposed measures.</p>	Within six months of completion of the second phase of the refrigeration equipment replacement, as described in variation application V004

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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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]	1.579 MWth Natural Gas Steam raising boiler	Combustion gases	No limit set	--	--	--
A2 [Point A2 on site plan in schedule 7]	1.846 MWth Natural Gas Steam raising boiler	Combustion gases	No limit set	--	--	--
A3 [Point A3 on site plan in schedule 7]	1.846 MWth Natural Gas Steam raising boiler	Combustion gases	No limit set	--	--	--
A27 [Point A27 on site plan in schedule 7]	Odour Abatement Exhaust (Post double carbon filters)	Combustion gases	No limit set	--	--	--
Bin enclosure – Effluent screen.	Single air displacement carbon filter	No parameter set	No limit set	--	--	--

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 [Point W1 on site plan in schedule 7] Surface water discharge point Pymmes Brook	Untaminated surface water from site roofs and surfaces.	No parameter set	No limit set	--	--	--
W2 [Point W2 on site plan in schedule 7] Surface water discharge point Pymmes Brook	Untaminated surface water from site roofs and surfaces.	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 Deephams Waste Water Treatment Works	Site effluent treatment plant	Chemical Oxygen demand (mg/m ³)	No limit set	--	Quarterly	BS 6068-2.34
		Chemical Oxygen demand (mg/m ³)	No limit set	--	Daily	As agreed in writing with the Environment Agency
		Total Effluent flow (m ³)	No limit set	--	Quarterly	MCERTS
		Total Phosphorus	No limit set	--	Monthly	BS EN ISO 15681-1
		Sulphide	No limit set	--	Monthly	As agreed in writing with the Environment Agency
		Colour	No limit set	--	Daily	Visual
		Temperature	No limit set	--	Continuous	--

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
Emissions to sewer Parameters as required by condition 3.5.1	S1	Every 3 months	1 January

Parameter	Units
Production of milk products	tonnes
Amount of recovered product from the reverse osmosis plant	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Fate and route of recovered product from the reverse osmosis plant	Annually	tonnes
Fate and route of precipitated waste from the effluent treatment plant	Annually	tonnes

Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	14/03/19
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	14/03/19
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	14/03/19
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	14/03/19
Waste	Form R1 or other form as agreed in writing by the Environment Agency	14/03/19

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	
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 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.

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

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“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 or background concentration limit.

“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.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

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

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

“Pests” means Birds, Vermin and Insects.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

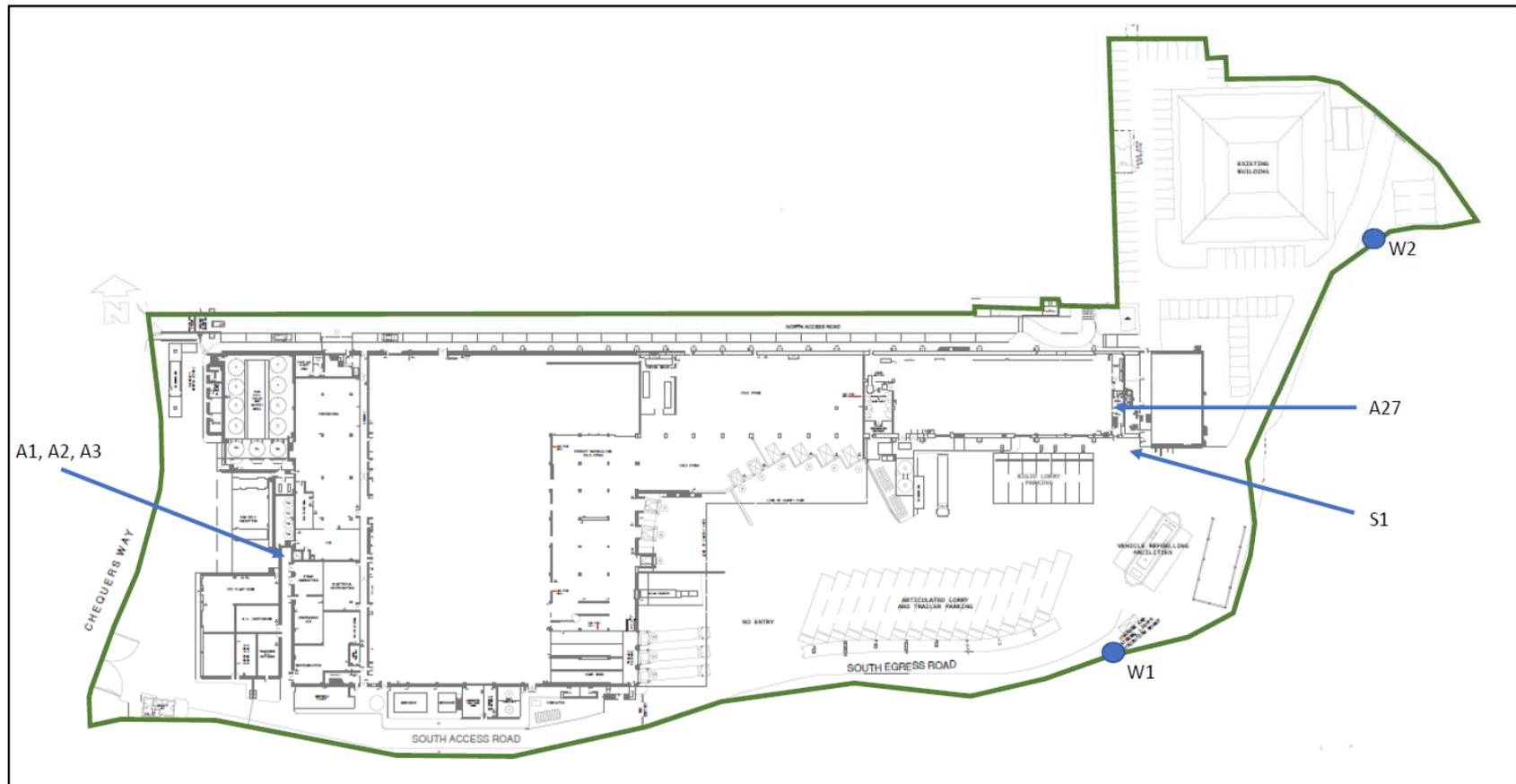
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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, 6% dry for solid 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



END OF PERMIT