



# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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Arla Foods Limited  
Settle Creamery  
Sowarth Fields Industrial Estate  
Settle  
North Yorkshire  
BD24 9AF

**Variation application number**

EPR/BN0473IM/V004

**Permit number**

EPR/BN0473IM

# Settle Creamery

## Permit number EPR/BN0473IM

### 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.

The site is located in Sowarth Field Industrial Estate, Settle, National Grid Reference (NGR) 381430,463535. The original permit was issued (2005) for the production of UHT milk, butter, butter milk and skimmed milk concentrate, with the quantity of milk being received being greater than 200 tonnes/day (average) with milk input being approximately 160,000 tonnes/year with an output of approximately 140,000 tonnes/year.

This variation permits the addition of new infrastructure (including decommissioning of old infrastructure) to the site allow for the production of two new products, lacto-free milk and organic milk together with the complete cessation of butter production. Milk production capacity will increase by approximately 120% from the current 100 million litres per year to 220 million litres per year.

The variation will involve the addition of one new emission point to air, from the new boiler plant. The variation does not involve any new indirect emission points to sewer or direct emissions to surface water.

The following changes are included in this variation:

- The removal of butter production from the permitted activities;
- The addition of production of lacto-free (90Million Litres) and organic milk (30Million Litres);
- New CIP systems to serve the new process plant;
- The addition of a new energy centre to the site, including a new 9.8MWth LPG fired boiler, refrigeration plant and compressors;
- A new chill store in the despatch bay;
- Upgrades to the current effluent treatment plant to allow more efficient operation, including repairs to the Krofta, a new plc system, improvements to pumps and pipework and installation of a non-return valve on the divert tank and the potential addition of acid cracking if required to further remove Fats, oil and greases if required;
- Decommissioning of the existing fuel oil boiler and associated fuel storage tanks;
- Installation of a reverse osmosis plant for the treatment of recovered cleaning water.

The variation additionally permits the addition of new bulk storage tanks for raw materials and CIP chemicals, increasing the overall site tank inventory.

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
Permit determined EPR/BN0473IM	04/11/05	Original permit issued to Arla Foods Plc.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received EPR/BN0473IM/V002	19/03/13	Name change to Arla Foods Limited.
Variation issued EPR/BN0473IM/V002	25/04/13	Varied permit issued to Arla Foods Limited.
Agency variation determined EPR/BN0473IM/V003	06/01/14	Agency variation to implement the changes introduced by IED
Application EPR/BN0473IM/V004 (variation and consolidation)	Duly made 17/06/20	Application to vary and update the permit to modern conditions and include the following changes: <ul style="list-style-type: none"> <li>• The removal of butter production from the permitted activities;</li> <li>• The addition of production of lacto-free (90Million Litres) and organic milk (30Million Litres);</li> <li>• New CIP systems to serve the new process plant;</li> <li>• The addition of a new energy centre to the site, including a new 9.8MWth boiler, refrigeration plant and compressors;</li> <li>• A new chill store in the despatch bay;</li> <li>• Upgrades to the current effluent treatment plant to allow more efficient operation, with the potential addition of acid cracking if required;</li> <li>• Decommissioning of the existing fuel oil boiler and associated fuel storage tanks;</li> <li>• Installation of a reverse osmosis plant for the treatment of recovered cleaning water.</li> </ul>
Additional Information received	11/11/20	Response to Schedule 5 dated 12/10/20 detailing effluent monitoring, noise impact and attenuation measures, disposal routes for process waters, monitoring, BATc, chloride monitoring, homogeniser details and details relating to updated trade effluent discharge consent.
Additional Information received	08/12/20	E-Mail confirming implementation of acoustic barrier designs at construction stage, relating to steam sterilisation plant and roof mounted cooling plant.
Variation determined EPR/BN0473IM (Billing Ref: VP3504PF)	02/02/21	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/BN0473IM

### Issued to

**Arla Foods Limited** (“the operator”)

whose registered office is

**Arla House**

**4 Savannah Way**

**Leeds Valley Park**

**LS10 1AB**

company registration number 02143253

to operate a regulated facility at

**Settle Creamery**

**Sowarth Fields Industrial Estate**

**Settle**

**North Yorkshire**

**BD24 9AF**

to the extent set out in the schedules.

The notice shall take effect from 02/02/2021

Name	Date
Daniel Timney	02/02/2021

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/BN0473IM**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BN0473IM/V004 authorising,

**Arla Foods Limited** (“the operator”),

whose registered office is

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

company registration number 02143253

to operate an installation at

**Settle Creamery  
Sowarth Fields Industrial Estate  
Settle  
North Yorkshire  
BD24 9AF**

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

Name	Date
Daniel Timney	02/02/2021

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 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.

### **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.



## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.
- 3.1.4 The first monitoring measurements shall be carried out within four months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later.

### **3.2 Emissions of substances not controlled by emission limits**

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

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

### **3.4 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 and S3.2 unless otherwise agreed in writing by the Environment Agency.

## **4 Information**

### **4.1 Records**

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

### **4.2 Reporting**

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
  - (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production /treatment data set out in schedule 4 table S4.2; and

- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

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

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

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

### 4.3 Notifications

4.3.1 In the event:

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

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 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.

4.3.4 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.

4.3.5 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.6 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

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity</b>
AR1	6.8 Part A(1) e) Treating and processing milk, the quantity of milk received being more than 200 tonnes per day.	Milk processing and treatment.	From receipt of raw materials to despatch of finished product.
AR2	5.4 Part A(1) a) (ii) Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by physico-chemical 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 receipt of process effluent to discharge to foul sewer.
<b>Directly Associated Activity</b>			
AR3	Steam and heat generation	Medium Combustion plants: Two gas-fired steam raising boilers rated at 4.4MWth and 9.8MWth.	From the two steam raising boilers to supply heat and steam to the production processing lines.
AR4	Refrigeration	Ammonia refrigeration plant	Receipt and storage of raw materials and products.
AR5	Waste Storage pending Disposal	Storage, handling, transfer and disposal of waste arising from processing activities.	Storage of process waste including effluent sludge, waste milk, packaging and other waste streams pending off-site disposal.
AR6	Raw Materials and Product Storage	Raw milk, cream, lactose and finished milk storage in bulk tanks and in cartons.	
AR7	Chemical Storage	Bulk storage of acid and caustic for effluent treatment and CIP chemicals.	
AR8	Cleaning and Hygiene Processes	3 x CIP sets serving raw milk tanks, UHT process and Lacto and organic processes.	
AR9	Water Treatment	Use of Reverse Osmosis to treat and recover waste cleaning waters.	
AR10	Roof and surface water drainage	Collection of uncontaminated roof and surface water from non-process areas.	Discharge of clean uncontaminated roof and surface water into the River Ribble.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to questions in sections 2 of the application and associated appendices.	29/03/05
Further Information	The responses to questions raised with the applicant regarding List I materials and operation of the ETP.	27/07/05
Variation Application EPR/BN0473IM/V004	Sections 1b, 3, 4, 6, and 7 of the application document(s) provided in response to section 3a – technical standards, Part C3 of the application form.	Duly Made 17/06/20
	Odour management plan reference 318048-2, Appendix F in response to section 3b, Table 4 – General Requirements, Part C3 of the application form.	
	Air Quality parameters – volumetric flow rate stated within section 4.5.1 of application Appendix E.	
Response to Schedule 5 Notice dated 12/10/20	Response to question 2 detailing effluent monitoring process control, response 3 detailing noise level control measures including the operation of roof mounted cooling fans at reduced speed at night, response 6 detailing 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 Food, Drink and Milk industries BAT Conclusions Numbers 1 – 15, 21, 22 and 23 and responses 8 and 9 detailing homogeniser details and trade effluent discharge consent compliance.	11/11/20
Additional information	E-Mail confirming implementation of acoustic barrier designs at construction stage, relating to steam sterilisation plant and roof mounted cooling plant.	08/12/20

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
1	The operator shall review containment measures for bulk storage of liquids, above ground tanks, drums and IBCs such that any spillage is contained and maybe fully recovered, having regard for Sector Guidance Note S6.10. The Operator shall provide the Agency with a report detailing options. Any option regarded as BAT for the future, the Operator shall provide the Agency with proposals for improvement including timescales.	Completed
2	The Operator shall undertake a review of the potential incidents to the environment on site using a methodology similar to HAZOP as identified in section 2.8 of TGN S6.13. General Guidance for the Dairy and Milk Processing Sector. The report shall cover the areas of potential for loss and environmental pollution and will raise a list of areas for action. The report shall generate a timetable for completion of the actions	Completed
3	The operator shall undertake an environmental impact assessment of releases to air from the boilers. An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Environment Agency) shall be submitted to the Agency	Completed

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
4	In the light of the results of the environmental impact assessment undertaken in reference 3 above, The Operator shall undertake a review of the fuel type for the steam raising boilers and generate a proposal for submission to the Agency	Completed
5	The Agency requires the Operator to review and update the waste minimisation audit previously carried out by the Operator	Completed
6	<p>The operator shall undertake and submit to the Environment Agency for technical assessment and approval, an indirect surface water risk assessment for discharges of treated process waters to sewer using our H1 Tool or other similar method for 'hazardous chemicals and elements' This should include any priority substances, priority hazardous substances or other pollutants, including specific pollutants listed in the 2015 Directions, and substances which have operational (non-statutory) Environmental Quality Standards that are likely to be contained within the discharged effluent.</p> <p>The notification requirements of condition 2.4.2 will deemed to have been complied with on submission of the assessment.</p>	Within 12Mths of the end of the Lacto-free process commissioning programme.

## Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	



## 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]	4.4MWth Natural Gas steam raising boiler plant.	Oxides of Nitrogen (NO and NO2 expressed as NO2)	189 mg/m3	In line with EA TGN M5	Every 3 years	EA TGN M5
		Carbon monoxide	No limit set	In line with EA TGN M5	Every 3 years	EA TGN M5
A2 [Point A2 on site plan in Schedule 7]	9MWth LPG steam raising Boiler Plant	Oxides of Nitrogen (NO and NO2 expressed as NO2)	200 mg/m3	In line with EA TGN M5	Every 3 years	EA TGN M5
		Carbon monoxide	No limit set	In line with EA TGN M5	Every 3 years	EA TGN M5
		Sulphur Dioxide	35 mg/m3	In line with EA TGN M5	Every 3 years	Concentration by calculation as agreed in writing with the Environment Agency

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1, W2 and W3 on site plan in Schedule 7 emission to River Ribble	Uncontaminated surface water from site roofs and surfaces.	No parameters set.	No limits set.	-	-	-

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

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 on site plan in Schedule 7 emission to United Utilities waste water treatment works, Bridge End, Settle	Site effluent treatment plant	No parameters set.	No Limits Set.	--	--	--

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to air Parameters as required by condition 3.5.1.	A1 and A2	Every 3 Years	1 January

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Production of Milk Products	tonnes
Amount of recovered water from the reverse osmosis plant	tonnes

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
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

<b>Table S4.4 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form air 1 or other form as agreed in writing by the Environment Agency	02/02/21
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	02/02/21
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	02/02/21

# 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	

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

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

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.

“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.

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

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

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants.

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

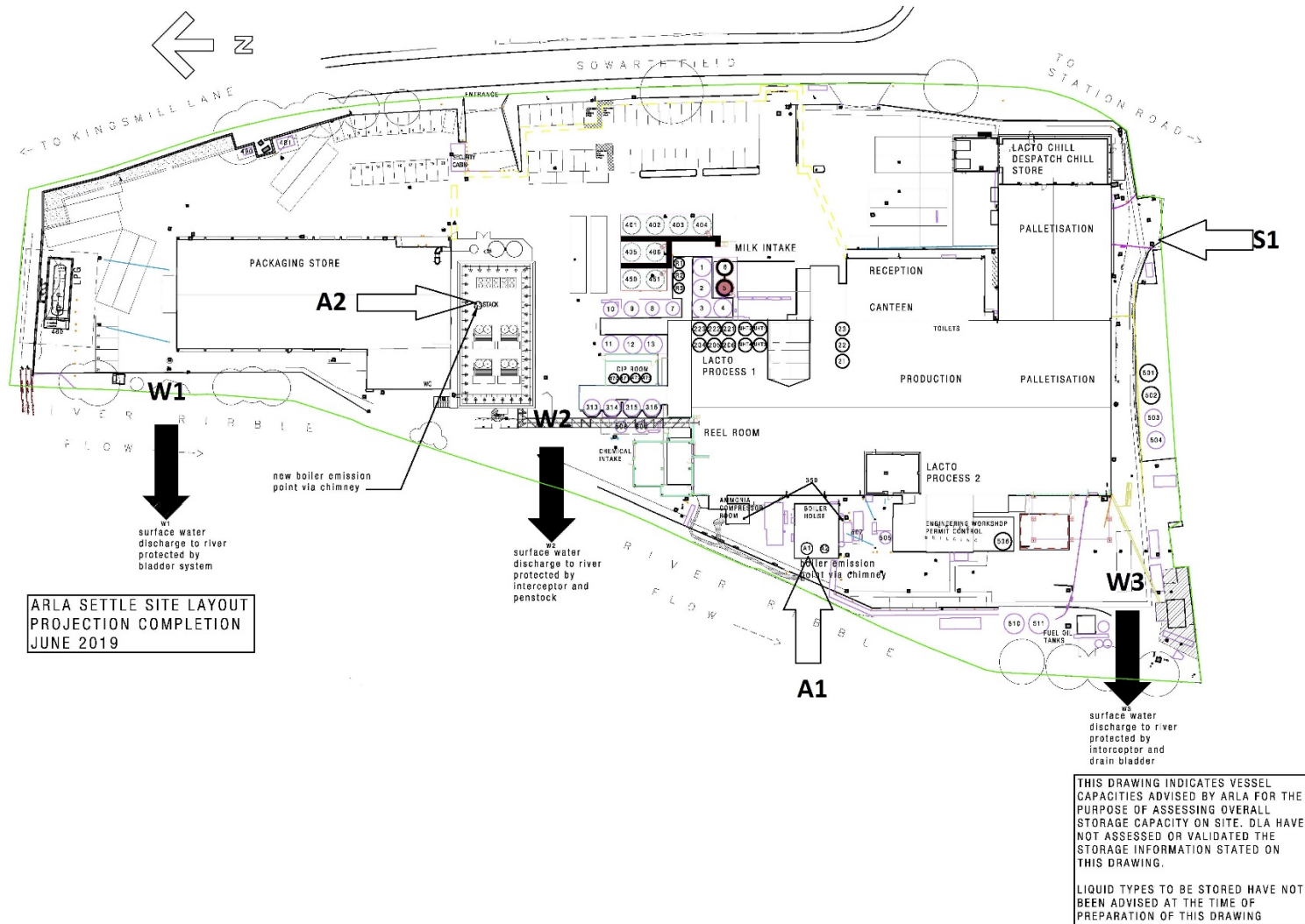
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.
- 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

Permit number  
EPR/BN0473IM