

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Arla Foods Limited
Aylesbury Dairy
College Road North
Aylesbury
Buckinghamshire
HP22 5EZ

Variation application number

EPR/XP3039ZS/V007

Permit number

EPR/XP3039ZS

Aylesbury Dairy

Permit number EPR/XP3039ZS

Introductory note

This introductory note does not form a part of the notice

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

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

This consolidated permit has been issued following a full review against the best available techniques (BAT) conclusions for the Food, Drink and Milk Industries published on 4th December 2019 in the official journal of the European Union. We have also implemented the requirements of the relevant BAT Conclusions from the Waste Treatment BRef.

The schedules specify the changes made to the permit.

The Aylesbury Dairy treats, processes and packages milk for distribution to retail outlets. The process involves separation, pasteurisation and bottling/packaging for distribution.

Raw milk is delivered in Road Tankers and transferred into the raw milk silos. The dairy, which is the principal building, houses raw milk receipt, separation and pasteurisation, filling and labelling, a cold store, a dry goods area and trolley handling and washing. The separation and pasteurisation functions comprise six separate processing lines and eight bottling lines. The site also includes blow moulding and bottle storage, which are not included within the installation

The site has an annual capacity of 1 billion litres which equates to daily processing limit of 2.74 million litres/day.

The Environmental Permit is for the main listed activity falling under Section 6.8 Part A(1)(e)(ii) of the Environmental Permitting Regulations: *Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis)*.

The main emissions to air are from the three Combined Heat and Power (CHP) units along with the two steam boilers and one low power steam boiler. The CHPs have a combined thermal input of 13.877 MWth (2 x 4.583 MWth and 1 x 4.711 MWth). The steam boilers each have a thermal input of 5.093 MWth when in normal operation. The steam boilers operate as part of an interlock system, when one boiler is in normal operation the other is operated in back up mode (1.02 MWth). The low-pressure hot water boiler has a thermal input of 2.220 MWth. The CHPs operate on a mixture of biogas and natural gas (reinstated under the previous variation (EPR/XP3039ZS/V006) and the boilers operate on natural gas.

The site operates a wastewater treatment works (WWTW) to treat process-derived wastewater, other liquid production residues and sludge's (e.g. from cleaning activities). The WWTW provides wastewater balancing, screening, buffering and pH control prior to feeding the RO plant or the AD plant. AD will be used to generate biogas from the higher strength process effluent. A proportion of the resulting AD biogas is used in the onsite CHPs with the remaining proportion of AD biogas is transferred to the neighbouring Olleco facility via a fixed pipeline. Treated effluent is discharged to the foul sewer.

Clean uncontaminated surface water from non-operational areas of the site, which is surplus to harvesting requirements, will be discharged to the Grand Union Canal via Drayton Mead Brook

Aylesbury Dairy is located on Samian Way, College Road North, Aylesbury. The site is located adjacent to the A41, approximately 6km to the east of Aylesbury town centre in Buckinghamshire and centred on National Grid Reference SP 87877 13515. The nearest European Site is Chilterns Beechwoods SAC, 5.2Km to the

Southeast. The nearest SSSI is Tring Reservoir, which is 2.3km to the east. There are six Local wildlife sites within 2km of the site.

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/XP3039ZS/A001 | Duly made 12/12/2012 | Application for Dairy facility |
| Additional information received | 15/01/2012 | Confirmation of site boundary |
| Additional information received | 01/02/2013 | Additional details on noise emissions |
| Additional information received | 14/02/2013 | Responses to questions 1 and 2 of Schedule 5 dated 11/02/2013 |
| Additional information received | 15/02/2013 | Revised Site Plan |
| Additional information received | 19/02/2013 | Responses to questions 3, 4, 5 and 6 of Schedule 5 dated 11/02/2013 |
| Additional information received | 26/02/2013 | Responses to request dated 20/02/2013 and 21/02/2013 |
| information received | 05/03/2013 | Additional details milk returns and source emissions to air |
| Additional information received | 13/03/2013 | Additional details of activities to assess inclusion within the installation |
| Additional information received | 14/03/2013 | Amended Fig 2 Installation boundary and layout plan |
| Permit XP3039ZS determined | 18/03/2013 | Permit issued to Arla Foods Limited |
| Application received EPR/XP3039ZS/V002 | Duly made 04/11/2014 | Application to correct site plan |
| Additional information received | 08/12/2014 | Confirmation of site boundary |
| Variation determination EPR/XP3039ZS | 16/12/2014 | Varied permit issued |
| Application EPR/XP3039ZS/V003 | Duly made 05/10/2015 | Application to extend site boundary to include neighbouring Olleco site to allow for the transfer of biogas and add multi operator condition |
| Application EPR/XP3039ZS/V004 (variation and consolidation) | Duly made 11/11/2015 | Application to commission AD2 facility. |
| Additional information received EPR/XP3039ZS/V003 | 11/11/2015 | Updated site plan incorporating Olleco and Arla sites |
| Variation determined EPR/XP3039ZS/V003 | 17/12/2015 | Varied permit issued |
| Schedule 5 Response | 21/01/2016 | Revised Odour Management Plan and details of site containment measures |
| | 01/03/2016 | Revised Odour Management Plan |
| Application EPR/XP3039ZS/V005 (variation and consolidation) | Duly made 22/07/2020 | Application to include a 4.711MWth CHP engine into the permit |
| Additional information received | 19/08/2020 | Response to request for information dated 11/08/20. Information to address question 6 of the request. In relation to MCERTs. |

| Status log of the permit | | |
|---|--|---|
| Description | Date | Comments |
| Additional information received | 21/08/2020 | Response to request for information dated 11/08/20. Information to address questions 1-5 and 7 and 8 of the request. In relation to BAT, abatement, stack height, interlock system, maintenance and further details regarding type of combustion plant. |
| Additional information received | 03/09/2020 | Response to request for information dated 02/09/20. Clarification on questions 2, 3 and 5 in the request sent on 11/08/20. |
| Variation determined EPR/XP3039ZS/V005 | 12/10/2020 | Varied and consolidated permit issued |
| Application EPR/XP3039ZS/V007 (variation and consolidation) | Regulation 61 Notice response received 22/10/2021 | Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review. |
| Request for Further Information dated 06/10/2022 | 30/12/2022 | Further information provided regarding the following BATc 3 and 6. In addition to the production capacity, clarification of the onsite combustion processes and climate change adaptation. |
| Request for Further Information dated 17/01/2023 | 24/03/2023 | Details regarding the onsite containment provisions |
| | 17/04/2023 | Confirmation of multi operational status |
| Application EPR/XP3039ZS/V006 (variation) | Duly made 14/03/2023 | Application to use blends of biogas and natural gas to fuel existing three Combined Heat and Power Units. |
| Additional information received | 02/05/2023 | Response to request for information dated 19/04/2023. Clarification on biogas storage and the process of transporting the biogas from anaerobic digester to CHP. |
| Variation determined and consolidation issued EPR/XP3039ZS/V006 | 22/05/2023 | Varied and consolidated permit issued |
| Variation determined and consolidation issued EPR/XP3039ZS/V007 (Billing ref. AP3242QT). | 28/06/2023 | Varied and consolidated permit issued in modern format |

| Other Part A installation permits relating to this installation | | |
|--|----------------------|----------------------|
| Operator | Permit number | Date of issue |
| Olleco | EPR/EP3335RY | 17/12/2015 |

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/XP3039ZS

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

Aylesbury Dairy

College Road North

Aylesbury

Buckinghamshire

HP22 5EZ

to the extent set out in the schedules.

The notice shall take effect from 29/06/2023

| Name | Date |
|---------------------|-------------------|
| Beccy Brough | 28/06/2023 |

Authorised on behalf of the Environment Agency

Schedule 1

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

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/XP3039ZS

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/XP3039ZS/V007 authorising,

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 an installation at

Aylesbury Dairy

College Road North

Aylesbury

Buckinghamshire

HP22 5EZ

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

| Name | Date |
|--------------|------------|
| Beccy Brough | 28/06/2023 |

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.

1.5 Multiple operator installations

- 1.5.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator(s) of the installation of the same information.

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”).
- 2.1.2 The activities shall be undertaken in accordance with best available techniques.
- 2.1.3 All process plant and equipment shall be commissioned, operated and maintained and shall be fully documented and recorded in accordance with the manufacturer’s recommendations.

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, which is within the area edged in red on the site plan that represents the extent of the installation covered by this permit and that of the other operator of the installation.

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 Pre-operational conditions

- 2.4.1 The operations specified in schedule 1 table S1.3 shall not commence until the measures specified in that table have been completed.

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 but including ammonia) 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.
- 3.2.4 The operator shall implement a leak detection and repair (LDAR) programme to detect and mitigate the release of volatile organic compounds, including methane from diffuse sources.

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.

3.5 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;
 - (b) process monitoring specified in table S3.4.

- 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.
- 3.5.5 For the following activities referenced in schedule 1, table S1.1, A7 - CHP3, 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.

3.6 Pests

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

4 Information

4.1 Records

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

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the

relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 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 "without delay", in which case it may be provided by telephone.

Schedule 1 – Operations

| Table S1.1 activities | | | |
|-----------------------|---|---|---|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| AR1 | Section 6.8 Part A1 (e) | Treating and processing milk with the quantity of milk received being more than 200 tonnes per day (average value on annual basis) | <p>From receipt of raw milk delivered to the site to the dispatch of processed packaged milk and tankered cream from site.</p> <p>Production capacity is limited to 1 billion litres of raw milk per year (2.74 million litres/day)</p> |
| AR2 | Section 5.4 Part A(1) (b) (i) | Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving biological treatment. | <p>Anaerobic digestion of permitted waste in 2 tanks followed by generation of biogas produced by the process Effluent Treatment Plant.</p> <p>From the receipt of permitted waste, the anaerobic digestion and recovery of by-products (digestate), through to dispatch of effluent wastewater to the effluent treatment plant and export of organic waste from the installation.</p> <p>Anaerobic digestion of permitted waste including pasteurisation and chemical addition followed by burning of biogas produced from the process.</p> <p>Treatment of effluent wastewater and dispatch to Thames Water foul sewer.</p> <p>Waste types as produced at the installation.</p> |
| AR3 | Section 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 | <p>Disposal of waste effluent: discharge to sewer of up to 1,350m³ of effluent per day following treatment of process waste streams using Chlorine Dioxide and Reverse Osmosis for re-use in Clean In Place (CIP) and treatment in DAF plant.</p> <p>From the receipt of low strength waste water for</p> |

| Table S1.1 activities | | | |
|-------------------------------------|--|--|---|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| | | | treatment to the delivery of permeate for re-use and disposal of effluent to sewer. |
| Directly Associated Activity | | | |
| AR4 | Water treatment | Water softener for treatment of incoming water for boiler and process use | From receipt of incoming water at softener to delivery of treated softened water for use |
| AR5 | Cleaning in Place | CIP sets for the cleaning of raw milk processing and finished product equipment within the Installation | From receipt of raw materials to use in process equipment or release to sewer |
| AR6 | Use of refrigerants | Ammonia/Glycol refrigeration system for the provision of cold store refrigeration, cooling and chilling | From receipt of raw milk to dispatch of processed packaged milk and tankered cream from site |
| AR7 | Steam and electrical power supply | <p>Combustion plant with a total thermal input of 22.21MWth comprising of the following:</p> <ul style="list-style-type: none"> • CHP1 - 4.583 MWth • CHP2 - 4.583 MWth • CHP3 – 4.711 MWth • Steam Boiler 1 – 5.093 MWth normal operation/1.02 MWth backup mode. Part of an interlock system with steam boiler 2, where one boiler is in normal operation and the other is in in back-up mode. • Steam Boiler 2 – 5.093 MWth normal operation/1.02 MWth backup mode. Part of an interlock system with steam boiler 1, where one boiler is in normal operation and the other is in in back-up mode. • Low Pressure Hot Water Boiler – 2.220 MWth | <p>For CHP 1, 2 and 3: from the receipt of a blend of natural gas and biogas produced at the on-site anaerobic digestion process to combustion with the release of combustion gases.</p> <p>The combustion of biogas and natural gas blend in 3 combined heat and power (CHP) engines with an aggregated thermal input of 13.87 MWth.</p> <p>For the Steam Boilers 1 & 2 and Low Pressure Hot Water Boiler: from the receipt of natural gas to combustion of fuel with the release of combustion gases.</p> |
| AR8 | Balancing Pond | Balancing pond for attenuation of surface water run-off | The collection of unharvested surface water from the site to the discharge to the Drayton Mead Brook |
| AR9 | Emergency flare operation | 3.59MW waste gas flare. | <p>Undertaken in relation to Activity AR2.</p> <p>From the receipt of biogas produced at the on-site anaerobic digestion process to incineration with the release of combustion gases.</p> |

| Table S1.1 activities | | | |
|------------------------------|--|--|---|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| | | | <p>Use of auxiliary flare required only during periods of breakdown or maintenance of the CHP engine and/or auxiliary boiler.</p> <p>Emissions of unburned biogas and the operation of the emergency flares shall be minimised. Any significant emissions of unburned biogas (including the operation of the pressure release valves associated with biogas storage) and the operation of the emergency flares shall be recorded.</p> |
| AR10 | Raw material storage and handling | Storage and handling of raw materials at the installation including; lubrication oil, antifreeze, ferric chloride, activated carbon, diesel. | From receipt of raw materials to dispatch of final product. |
| AR11 | Storage and use of chemicals and oils | Storage and use of chemicals and oils at the installation. | From receipt of chemicals and oils to disposal of wastes arising. |
| AR12 | Surface water drainage | Collection of uncontaminated site surface waters | Handling and storage of site drainage until discharge to the site surface water system. |
| AR13 | Gas storage | R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) | <p>Undertaken in relation to Activity AR2</p> <p>Storage of biogas produced from on-site anaerobic digestion of permitted waste in roof space of digester.</p> <p>From the receipt of biogas produced at the on-site anaerobic digestion process to despatch for use within the facility.</p> |

| Table S1.2 Operating techniques | | |
|--|---|----------------------|
| Description | Parts | Date Received |
| Application EPR/XP3039ZS/A001 | Responses to Part B3 of the Application Form and Supporting Information | 12/12/2012 |
| Application EPR/XP3039ZS/A001 | Odour management plan and Noise Management plan included in Appendix D of the Application | 12/12/2012 |

| | | |
|---|--|-------------------------|
| Additional information Application EPR/XP3039ZS/A001 | Additional details of noise emissions | 01/02/2013 |
| Response to Schedule 5 Notice dated 11/02/2013 Application EPR/XP3039ZS/A001 | Responses to questions 1-2 | 14/02/2013 |
| Response to Schedule 5 Notice dated 11/02/2013 Application EPR/XP3039ZS/A001 | Responses to questions 3-6 | 19/02/2013 |
| Additional information Application EPR/XP3039ZS/A001 | Specific gravity of centrifuged sludge and process monitoring method for activated carbon depletion | 26/02/2013 |
| Additional Information Application EPR/XP3039ZS/A001 | Amendments to Tables 5.1, 5.2 and 5.18 | 05/03/2013 |
| Additional Information Application EPR/XP3039ZS/A001 | Additional details of activities to assess inclusion within the installation | 13/03/2013 |
| Additional Information Application EPR/XP3039ZS/A001 | Amended Fig 2 Installation boundary and layout plan | 14/03/2013 |
| Variation application EPR/XP3039ZS/V003 | Responses to Parts C2 and C3 section 3 of the application form and all referenced supporting documentation | Duly made 05/10/2015 |
| Additional information requested 04/11/2015 EPR/XP3039ZS/V003 | Updated site plan incorporating Olleco and Arla sites reference: Fig 2: Installation boundary diagram & point source emissions. October 2015 | 11/11/2015 |
| Variation application EPR/XP3039ZS/V004 | Responses to Parts C2 and C3 section 3 of the application form and all referenced supporting documentation | Duly made 17/12/2015 |
| Responses to Schedule 5 Notice dated 07/01/2016 | Responses to questions regarding containment and odour management plan. | 21/01/2016 |
| | Final revised Odour Management Plan: Reference: Arla Foods Aylesbury Dairy – Odour Management Plan. Arla. 01 March 2016 | 01/03/2016 |
| Variation application EPR/XP3039ZS/V005 | Responses to application forms Parts C2 and C2.5 and all referenced supporting documentation | Duly made 22/07/2020 |
| Additional information requested 11/08/20 EPR/XP3039ZS/V005 | Information to address question 6 of the request for, in relation to MCERTS | 19/08/2020 |
| Additional information requested 11/08/20 EPR/XP3039ZS/V005 | Information to address questions 1-5 and 7 and 8 of the request. In relation to BAT, abatement, stack height, interlock system, maintenance and further details regarding type of combustion plant | 21/08/2020 |
| Additional information requested 02/09/20 EPR/XP3039ZS/V005 | Information providing clarification of questions 2, 3 and 5 in the request for information sent on 11/08/20. | 03/09/2020 |
| Regulation 61 (1) Notice – Responses to questions dated 11/08/2021 | All parts | Received 22/10/2021 |

| | | |
|---|---|----------------------|
| Request for further information dated 28/01/2022 | ISO 14001 certification, Monitoring data, onsite containment information, register of harmful substances, Site Condition Report, Refrigeration register and Buffer storage details. | Received 21/02/2022 |
| Request for further information dated 06/10/2022 EPR/XP3039ZS/V007 | Further information regarding BATc3, BATc 6 and details surrounding the onsite combustion. | Received 30/12/2022 |
| Variation application EPR/XP3039ZS/V006 | Responses to application forms Parts C2, C3 section 3 and all referenced supporting documentation | Duly made 14/03/2023 |
| Request for further information dated 17/01/2023 EPR/XP3039ZS/V007 | Details regarding the onsite containment provisions | 24/03/2023 |
| Additional information requested 19/04/23 EPR/XP3039ZS/V006 | Information providing clarification on biogas storage and the process of transporting the biogas from anaerobic digester to CHP. | 02/05/2023 |

Table S1.3 Pre-operational measures

| Reference | Pre-operational measures |
|-----------|--|
| POC 5 | At least 2 weeks before prior to the burning of biogas in the onsite CHPs (CHP1, CHP2 & CHP3) the operator shall establish the methane emissions in the exhaust gas from engines burning biogas and compare these to the manufacturer's specification and benchmark levels agreed in writing with the Environment Agency. The operator shall, as part of the methane leak detection and repair (LDAR) programme, develop proposals to assess the potential for methane slip and take corrective actions where emissions above the manufacturer's specification or appropriate benchmark levels are identified. |

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] | Exhaust stack (a) CHP1 [note 1] 4.583MWth fired on a blend of natural gas and biogas | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | Periodic | Annual | BS EN 14792 |
| | | Sulphur dioxide | Limit until 31/12/2029 350 mg/m ³ [Note 2a] | | | BS EN 14791 |
| | | Sulphur dioxide | Limit from 01/01/2030 162 mg/m ³ [Note 3] | | | |
| | | Carbon Monoxide (CO) | 1400 mg/m ³ | | | BS EN 15058 |
| | | Total VOCs | No limit set | | | - |
| | Exhaust stack (a) CHP1 [note 1] 4.583MWth when fired on natural gas only | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | Periodic | Annual | BS EN 14792 |
| | | Carbon Monoxide (CO) | No limit set | - | - | BS EN 15058 |
| | Exhaust stack (b) CHP2 [note 1] 4.583MWth fired on a blend of natural gas and biogas | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | Periodic | Annual | BS EN 14792 |
| | | Sulphur dioxide | Limit until 31/12/2029 350 mg/m ³ [Note 2a] | | | BS EN 14791 |
| | | Sulphur dioxide | Limit from 01/01/2030 162 mg/m ³ [Note 3] | | | |
| | | Carbon Monoxide (CO) | 1400 mg/m ³ | | | BS EN 15058 |

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 | |
|--|---|---|------------------------|------------------|----------------------|-------------------------------|-------------|
| | | Total VOCs | No limit set | - | - | BS EN 12619 | |
| | Exhaust stack (b) CHP2 ^[note 1] 4.583MWth when fired on natural gas only | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | Periodic | Annual | BS EN 14792 | |
| | | Carbon Monoxide (CO) | No limit set | - | - | BS EN 15058 | |
| | Exhaust stack (c) steam boiler 1 ^[note 2] | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 150 mg/m ³ | Periodic | Annual | BS EN 14792 | |
| A2 [Point A2 on site plan in schedule 7] | Exhaust stack (a) from Low Pressure Hot Water (LPHW) boiler flue (2MW) ^[note 2] | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 150 mg/m ³ | Periodic | Annual | BS EN 14792 | |
| | Exhaust stack (b) steam boiler 2 ^[note 2] | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 150 mg/m ³ | Periodic | Annual | BS EN 14792 | |
| | Exhaust stack (c) CHP3 ^[note 1] 4.711 MWth fired on a blend of natural gas and biogas | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | Periodic | Annual | BS EN 14792 | |
| | | Sulphur dioxide | 107 mg/m ³ | | | | BS EN 14791 |
| | | Carbon Monoxide (CO) | 1400 mg/m ³ | | | | BS EN 15058 |
| | | Total VOCs | No limit set | | | | - |
| | Exhaust stack (c) CHP3 ^[note 1] 4.711 MWth fired on natural gas only | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | Periodic | Annual | BS EN 14792 | |

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 |
|--|---|---|------------------------|------------------|----------------------|-------------------------------|
| | | Carbon Monoxide (CO) | No limit set | - | - | BS EN 15058 |
| A3 [Point A3 on site plan in schedule 7] | Emergency gas flare exhaust stack ^[note 1] | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 150 mg/m ³ | Periodic | [note 4] | BS EN 14792 |
| | | Carbon monoxide | 50 mg/m ³ | | | BS EN 15058 |
| | | Total VOCs | 10 mg/m ³ | | | BS EN 12619 |
| A4 [Point A4 on site plan in schedule 7] | Activated Carbon Odour Control | No parameter set | No limit set | -- | -- | -- |

Note 1 – These emission limits are based on normal operating conditions and load - temperature 0°C (273 K); pressure 101.3 kPa and oxygen 5% (for gas engines burning biogas) and oxygen 3% (for emergency flares and medium combustion plants other than engines and gas turbines burning biogas such as boilers).

Note 2 – Natural gas boilers: 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 3%.

Note 2a – This emission limit applies until 31 December 2029, unless the gas engine is replaced.

Note 3 – This emission limit applies from 1 January 2030, unless otherwise advised by the Environment Agency.

Note 4 – Following commissioning, monitoring to be undertaken in the event the emergency flare has been operational for more than 10 per cent of a year (876 hours). Record of operating hours to be submitted annually to 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 |
|---|-----------------------------------|------------------|--------------------|------------------|----------------------|--|
| SW1 [Point SW1 on site plan in schedule 7] Discharge to Drayton Mead Brook via Balance pond | Uncontaminated site surface water | No parameter set | No limit set | -- | Weekly | Visual assessment – no visible oil or grease |

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 Aylesbury Sewage Treatment Works | Wastewater from the dairy process and on-site Energy Centre Effluent Treatment Plant | No parameter set | No limit set | -- | -- | -- |

Table S3.4 Process monitoring requirements

| Emission point reference or source or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|---|-------------------|----------------------|--|---|
| Biogas in digester | Flow | Continuous | In accordance with EU weights and measures Regulations | Process monitoring to be recorded using a SCADA system where relevant. Gas monitors to be calibrated every 6 months or in accordance with the manufacturer's recommendations |
| | Methane | Continuous | None specified | |
| | CO ₂ | Continuous | None specified | |
| | O ₂ | Continuous | None specified | |
| | Hydrogen sulphide | Daily | None specified | |
| Digester(s) and storage tank(s) | Integrity checks | Weekly | Visual assessment | In accordance with design specification and tank integrity checks. |

Table S3.4 Process monitoring requirements

| Emission point reference or source or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|---|---|---|--|--|
| Diffuse emissions from all sources identified in the Leak Detection and Repair (LDAR) programme | VOCs including methane | Every 6 months or otherwise agreed in accordance with the LDAR programme | BS EN 15446 In accordance with the LDAR programme | Monitoring points as specified in a DSEAR risk assessment and LDAR programme. Limit as agreed with the Environment Agency as a percentage of the overall gas production. |
| Emergency flare | Operating hours | Continuous | Recorded duration and frequency. Recording using a SCADA system or similar system | Date, time and duration of use of auxiliary flare shall be recorded. |
| | Quantity of gas sent to emergency flare | | | Quantity can be estimated from gas flow composition, heat content, ratio of assistance, velocity, purge gas flow rate, pollutant emissions. |
| Pressure relief valves and vacuum systems | Gas pressure | Continuous | Recording using a SCADA system | Continuous gas pressure shall be monitored. |
| | Re-seating | Weekly inspection | Visual | Operator must ensure that valves are re-seated after release in accordance with the manufacturer's design. |
| | Inspection, maintenance, calibration, repair and validation | Following foaming or overtopping or at 3 yearly intervals whichever is sooner | Written scheme of examination in accordance with condition 1.1.1 | After a foaming event or sticking, build-up of debris, obstructions or damage, operator must ensure that pressure relief valve function remains within designed gas pressure in accordance with the manufacturer's design by suitably trained and qualified personnel. |

| Table S3.4 Process monitoring requirements | | | | |
|--|--|--|--|--|
| Emission point reference or source or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
| | Inspection, calibration and validation report | In accordance with design and construction specifications or after over topping or foaming event | Written scheme of examination in accordance with condition 1.1.1 | <p>Operator must ensure that valves are re-seated after release, after a foaming event or sticking, build-up of debris, obstructions or damage.</p> <p>Operator must ensure that PRV function remains within designed operation gas pressure in accordance with the manufacturer's design by suitably trained/qualified personnel.</p> <p>Inspection, calibration and validation report. In accordance with industry Approved Code of Practice</p> |
| Storage lagoons and storage tanks | Volume | Daily | Visual or flow metre measurement | <p>750 mm freeboard must be maintained for storage lagoons.</p> <p>Records of volume must be maintained.</p> |
| Carbon filtration system | Key process parameters to include pH, temperature and air flow | In accordance with manufacturer's recommendations. | None specified | <p>Odour abatement system shall be regularly checked and maintained to ensure appropriate temperature and moisture content.</p> <p>Carbon filter(s) to be replaced when saturated in accordance with manufacturer's recommendations.</p> |
| CHP engine stack(s) | VOCs including methane | Annually | BS EN 12619 | Total annual VOCs emissions from the CHP engine(s) to be calculated and submitted to the Environment Agency. |
| | Exhaust gas temperature | | Traceable to National Standards | -- |

Table S3.4 Process monitoring requirements

| Emission point reference or source or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|--|----------------------------------|-----------------------------|--------------------------------------|---|
| | Exhaust gas pressure | | Traceable to National Standards | -- |
| | Exhaust gas water vapour content | | BS EN 14790-1 | Unless gas is dried before analysis of emissions. |
| | Exhaust gas oxygen | | BS EN 14789 | -- |
| | Exhaust gas flow | | BS EN 16911-1 | -- |

Schedule 4 – Reporting

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

| Table S4.1 Reporting of monitoring data | | | |
|---|--|--|----------------------|
| Parameter | Emission or monitoring point/reference | Reporting period | Period begins |
| Emissions to air Parameters as required by condition 3.5.1. | A1(a) - CHP 1 A1(b) - CHP 2 A1(c) - Steam Boiler 1 A2(a) - LPHW Boiler A2(b) - Steam Boiler 2 A2(c) - CHP 3 | Every 3 years | 1 January |
| Total annual VOCs emissions from gas engines (calculated) | As specified in schedule 3 table S3.4 | Every 12 months | 1 January |
| Process monitoring – digester tank integrity Parameters as required by condition 3.5.1 | As specified in schedule 3 table S3.4 | Every 5 years from the date of commissioning or as per the manufacturer's recommendation, whichever is sooner | 1 January |
| Process monitoring – under and over pressure relief systems Parameters as required by condition 3.5.1 | As specified in schedule 3 table S3.4 | Every 12 months Yearly summary report of over-pressure and under-pressure events detailing mass balance release | 1 January |
| Process monitoring – leak detection and repair (inspection, calibration and maintenance) Parameters as required by condition 3.5.1 | As specified in schedule 3 table S3.4 | Every 3 years | 1 January |
| Process monitoring – use of emergency flare Parameters as required by condition 3.5.1 | As specified in schedule 3 table S3.4 | Every 12 months | 1 January |

| Table S4.2: Annual production/treatment | |
|--|--------------------------|
| Parameter | Units |
| Pasteurised milk produced. | tonnes |
| Cream despatched | tonnes |
| Electricity generated | MWh |
| Liquid digestate | tonnes or m ³ |
| Solid digestate | tonnes |

| Table S4.3 Performance parameters | | |
|---|--------------------------------|--------------------------|
| Parameter | Frequency of assessment | Units |
| Water usage | Annually | m ³ |
| Energy usage | Annually | MWh |
| Waste | Annually | tonnes |
| COD efficiency | Annually* | COD te/te product |
| Food waste | Annually | tonnes |
| Raw material usage | Annually | tonnes or m ³ |
| Emergency flare operation | Annually | hours |
| CHP engine usage | Annually | hours |
| CHP engine efficiency | Annually | % |
| Auxiliary boiler usage | Annually | hours |
| *COD efficiency to be calculated on a weekly frequency, reported annually | | |

| Table S4.4 Reporting forms | | |
|-----------------------------------|---|-------------------------------------|
| Parameter | Reporting form | Form version number and date |
| Point source emissions to air | Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Process monitoring | Form process 1 or other form as agreed in writing by the Environment Agency | DD/MM/YYYY |
| Food Waste Food | Food waste Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1 06/02/2023 |
| Water usage | Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Energy usage | Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Other performance parameters | Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

| | |
|---|--|
| (b) Notification requirements for the breach of a limit | |
| To be notified within 24 hours of detection unless otherwise specified below | |
| Emission point reference/ source | |
| Parameter(s) | |
| Limit | |
| Measured value and uncertainty | |
| Date and time of monitoring | |
| Measures taken, or intended to be taken, to stop the emission | |

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

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

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

Part B – to be submitted as soon as practicable

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

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

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

“anaerobic digestion” means a process of controlled decomposition of biodegradable materials under managed conditions where free oxygen is absent, at temperatures suitable for naturally occurring mesophilic or thermophilic anaerobes and facultative anaerobe bacteria species, which convert the inputs to a methane-rich biogas and whole digestate.

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

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

“emissions to land” includes emissions to groundwater.

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

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

“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.

“Leak detection and repair (LDAR) programme” means a structured approach to reduce fugitive emissions of organic compounds by detection and subsequent repair or replacement of leaking components. Currently, sniffing (described by EN 15446) and optical gas imaging methods are available for the identification of leaks as set out in BAT 14 and section 6.6.2 of the Waste Treatment BAT Conclusions.

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

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

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

“Pests” means Birds, Vermin and Insects.

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

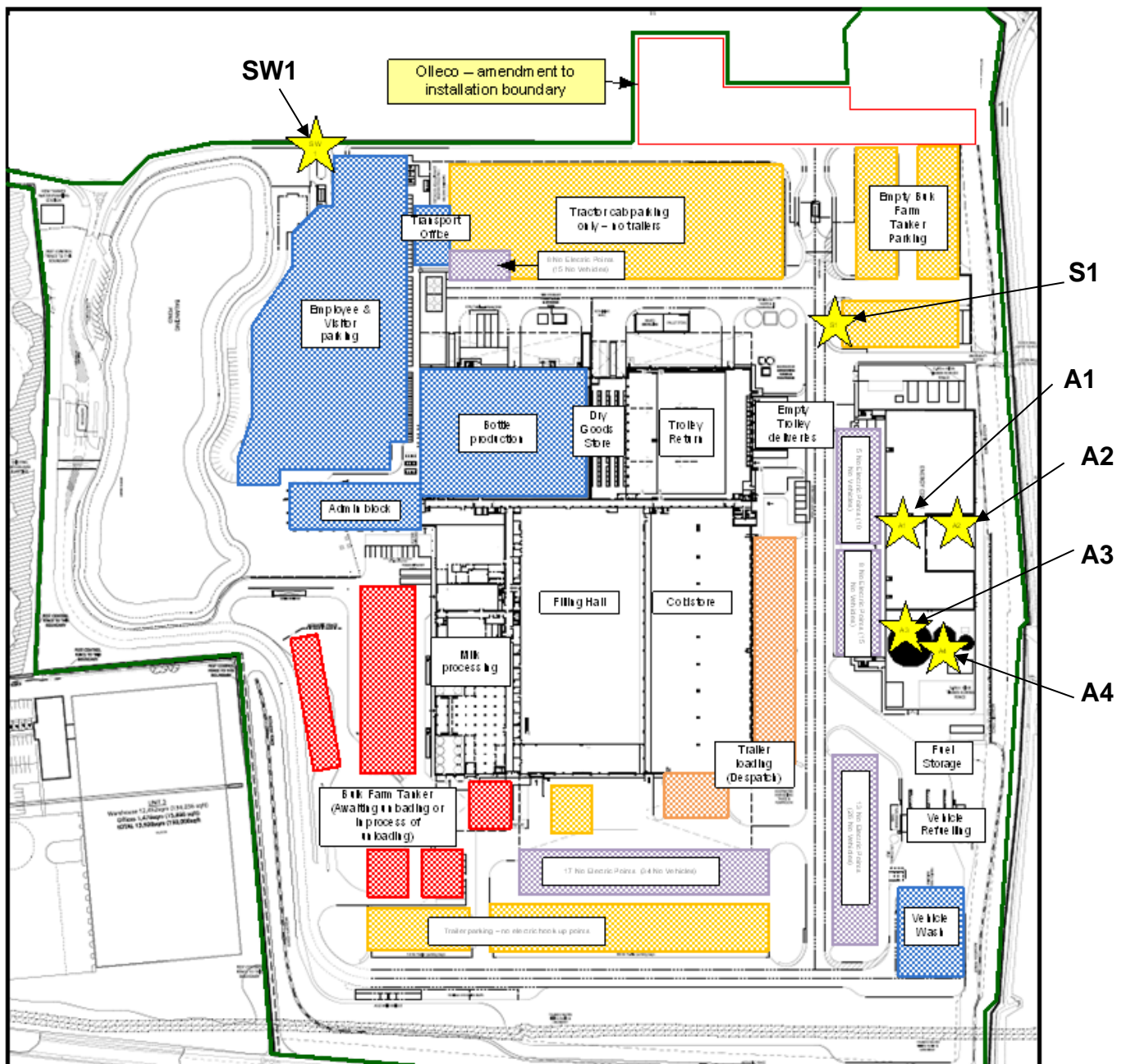
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or

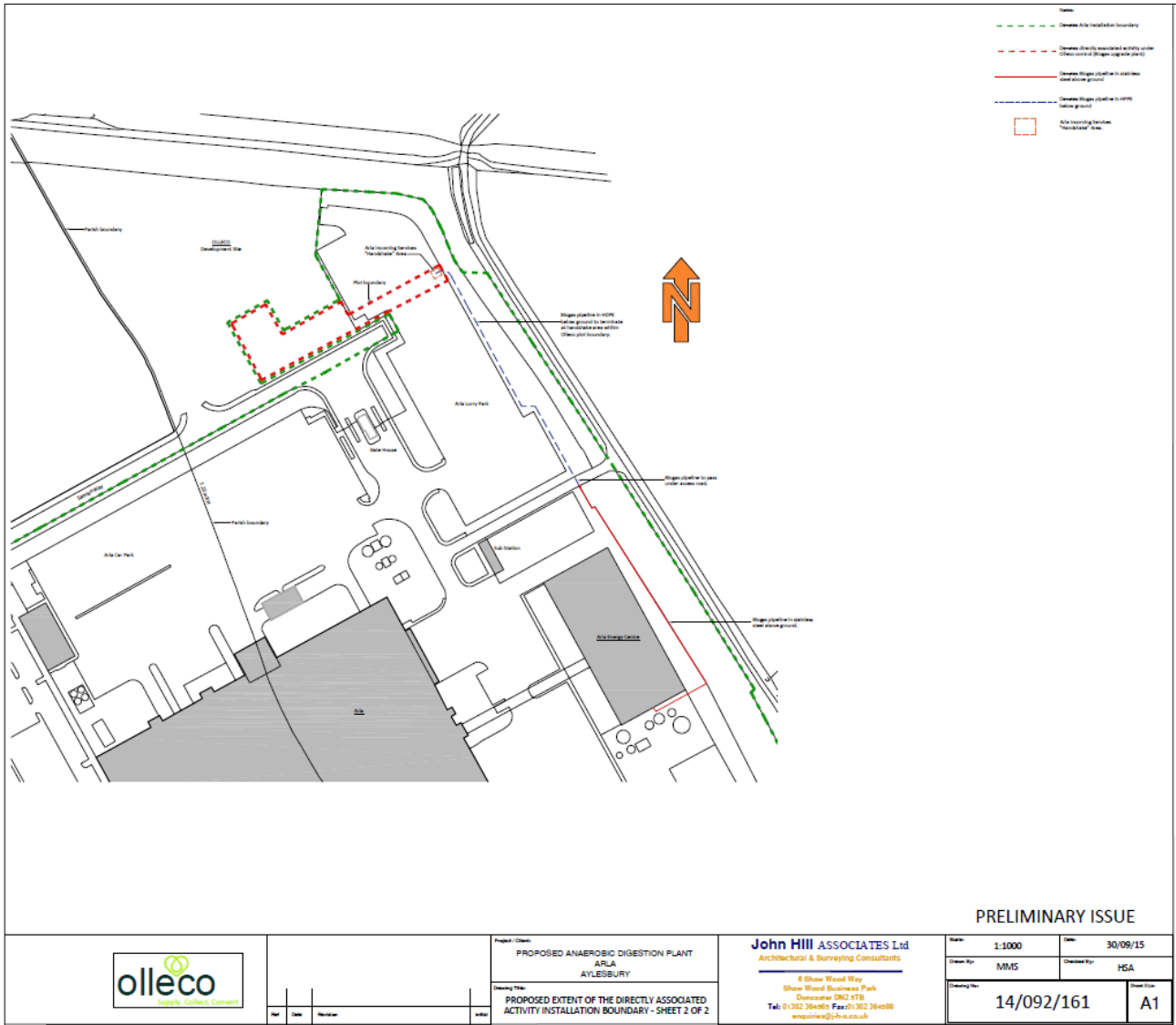
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels; and/or
 - in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



Site Plan showing area of site under Olleco control (outlined in red)



END OF PERMIT