

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Yeo Valley Farms (Production) Limited

Lag Farm Dairy
Bath Road
Blagdon
Bristol
Somerset
BS40 7SG

Variation application number

EPR/NP3532SU/V005

Permit number

EPR/NP3532SU

Lag Farm Dairy

Permit number EPR/NP3532SU

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (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 Lag Farm Dairy processes milk and milk powders to produce yogurt. The installation comprises a milk reception area, liquid ingredient tanks, Cleaning in Place (CIP) tanks, mix tanks, incubation tanks, a production hall, a cold store and despatch area. There is a kerosene fired boiler plant, refrigeration plant and an effluent treatment plant.

Current production is 1,600 tonnes per week. The operator wishes to increase production over the coming years to try to capture further market share with a view to increasing profitability. This will be by 300 tonnes per week in February 2016, with further annual increases of 200 tonnes per week to a maximum total of 3,200 tonnes per week. This will be achieved by increased production throughput via existing processes with additional packing machines and incubation tanks.

Whilst the operator can demonstrate that their operational techniques are designed to ensure resource, water, energy and waste efficiency, there will be an increase in the total volume of process effluent generated, which will exceed the currently permitted limit of 500 m³/day. The volume of effluent will rise incrementally as production levels increase, to a maximum of 960 m³/day. This will receive treatment at the on-site effluent treatment plant (ETP) prior to discharge to surface waters. The operator has invested in improvements to their ETP to ensure that there is capacity for this increased volume of effluent.

The schedules specify the changes made to the permit.

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

| Status log of the permit | | |
|---|-------------|---|
| Description | Date | Comments |
| Application NP3532SU | 12/09/05 | |
| Additional information request | 07/08/05 | Response received 12/09/05 |
| Additional information request | 27/10/05 | Response received 31/10/05 |
| Additional information request | 30/11/05 | Response received 02/12/05 |
| Additional information request | 13/01/05 | Response received 19/01/06 & 21/01/06 & 16/02/06 |
| Permit NP3532SU determined | 04/05/06 | Bespoke permit issued to Yeo Valley Farms (Production) Limited. |
| Agency Led Variation EPR/NP3532SU/V002 issued | 19/03/13 | Varied permit issued. |
| Agency variation determined EPR/NP3532SU/V003 | 19/02/14 | Agency variation to implement the changes introduced by IED. |
| Application EPR/NP3532SU/V004 | 20/07/15 | Returned to applicant as not duly made. |

| Status log of the permit | | |
|---|-----------------------|---|
| Description | Date | Comments |
| Application EPR/NP3532SU/V005 (variation and consolidation) | Duly made 08/10/15 | Application to increase production at the dairy with a corresponding increase in the volume of treated effluent for disposal. |
| Additional information received | 01/02/16 | Confirmation of status of hydraulic capacity assessment, cleaning in place procedures, point source emissions to air, combustion plant and steam demand. |
| Variation determined EPR/NP3532SU/V005 | 18/02/16 | Varied and consolidated permit issued in modern condition format. |

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/NP3532SU

Issued to

Yeo Valley Farms (Production) Limited (“the operator”)

whose registered office is

Yeo Valley HQ

Rhodyate

Blagdon

Somerset

BS40 7YE

company registration number **01283809**

to operate a regulated facility at

Lag Farm Dairy

Bath Road

Blagdon

Bristol

Somerset

BS40 7SG

to the extent set out in the schedules.

The notice shall take effect from 18/02/2016

| Name | Date |
|-------------|------------|
| Philip Lamb | 18/02/2016 |

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 2010

Permit number

EPR/NP3532SU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/NP3532SU/V005 authorising,

Yeo Valley Farms (Production) Limited (“the operator”),

whose registered office is

Yeo Valley HQ

Rhodyate

Blagdon

Somerset

BS40 7YE

company registration number **01283809**

to operate an installation at

Lag Farm Dairy

Bath Road

Blagdon

Bristol

Somerset

BS40 7SG

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

| Name | Date |
|-------------|------------|
| Philip Lamb | 18/02/2016 |

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.2 Energy efficiency

1.2.1 The operator shall:

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

1.3 Efficient use of raw materials

1.3.1 The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

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

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

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

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

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

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

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

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

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

2.4 Improvement programme

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

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

2.5 Pre-operational conditions

2.5.1 The operations specified in schedule 1 table S1.4 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 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

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

3.4 Noise and vibration

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

3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) point source emissions specified in tables S3.1 and S3.2

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.

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.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter, if during that quarter the total amount accepted exceeds 100 tonnes of non-hazardous waste or 10 tonnes of hazardous waste.

4.3 Notifications

4.3.1 In the event:

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

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

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

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

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

In any other case:

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

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

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

Schedule 1 – Operations

| Table S1.1 activities | | |
|---|--|--|
| Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| Section 6.8 Part A(1)(e) Treating and processing of milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis) | Processing of milk and milk powders to produce yogurt | Receipt of raw materials to despatch of finished product |
| Section 5.4 Part A(1)(a)(i) Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by biological treatment | Treatment of process effluent | From receipt of site process effluent and treatment of effluent and its sludge to discharge of effluent and transport of sludge off site |
| Directly Associated Activity | | |
| Kerosene fuelled steam-raising boilers | Kerosene fuelled steam-raising boilers totalling 9.5 MW _{th} maximum output | Receipt of fuels to emissions of combustion gases Boilers can only be used with an average demand not exceeding 2.5 MW _{th} |
| Storage and handling of waste | Waste handling and storage | From receipt of raw materials to disposal of waste products |

| Table S1.2 Operating techniques | | |
|--|--|----------------------|
| Description | Parts | Date Received |
| Application NP3532SU | The response to questions 2.1 and 2.2, and 2.10.1 – 2.10.5 inclusive and 2.10.19 of the application. | 12/09/05 |
| Agency Led Variation EPR/NP3532SU/V002 | Wastewater Irrigation Report dated 31/08/12 and Appendix 5 to the report. | Approved 08/08/12 |
| Application | The BREF for Food, Drink and Milk Industries and EPR 6.13 for the Dairy and Milk Processing Sector, as referenced in application form Part C3 - Section 3 on Operating Techniques, Table 3 Technical Standards. Document '5c Non-Technical Summary' – section on Existing permitted operations. Document 'Supplementary information to application' and appended documents referenced within. Document 'Energy efficiency'. | Duly Made 08/10/15 |
| Response to Schedule 5 Notice dated 09/12/15 | Item 2 describing the Cleaning in Place procedures and item 5 detailing the combustion plant and steam consumption (including efficiency improvements). | 01/02/16 |

| Table S1.3 Improvement programme requirements | | |
|--|--------------------|-------------|
| Reference | Requirement | Date |
| IC1 to IC7 | | Completed |

| Table S1.3 Improvement programme requirements | | |
|--|--|---|
| Reference | Requirement | Date |
| IC8 | The operator shall submit a written report to the Environment Agency addressing the findings of the Blagdon Study. As an outcome of the Blagdon Study, the Environment Agency may need to reassess the emissions to water from Lag Farm Dairy and update the emission limit values in Table S3.2 accordingly. The operator's report shall include a review of their actual operational monitoring results from the effluent treatment plant and identify whether any improvements are required, with proposed timescales. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report. | Within 6 months of the final report from the Blagdon Study. |
| IC9 | The operator shall submit a written report to the Environment Agency for approval, following a review of all site drainage and containment at the installation. The report should review the appropriate measures for the management of subsurface structures, sumps, bunds and storage vessels as well as the requirements for surfaces on your site and include a timetable for any improvements or maintenance. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report. | 28/02/2017 |
| IC10 | The operator shall submit a written report to the Environment Agency. The report shall contain the results of a review to quantify the effluent load and volume for each of the process areas at the installation. The review shall attempt to identify the ongoing demand on the effluent treatment plant and any opportunities for resource efficiency including water reuse and water reduction. This is to ensure the optimum operation of the effluent treatment plant and should include reference to the best available techniques (BAT) in sections 1.3 and 1.4 of EPR6.13 guidance for the dairy and milk processing sector. The results of this review shall be submitted to the Environment Agency, including dates for the implementation of any individual measures identified for improvement (including consideration of the installation of MCERTS composite sampling on W1). The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report. | 31/08/2017 |
| IC11 | The operator shall submit a written report to the Environment Agency for approval. The report shall investigate measures to reduce phosphorus emissions in line with the requirements of the Water Framework Directive (200/60/EC) and include details of the necessary improvement works and timescales for their completion. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report. | 28/02/2017 |

| Table S1.4 Pre-operational measures for future development | | |
|---|--|---|
| Reference | Operation | Pre-operational measures |
| PO1 | The use of wastewater for the purpose of irrigation. | A system to remove the domestic element of the site effluent from that which will be used for irrigation must be in place. The design specifications of the system and subsequent proposals for monitoring of the domestic aspect of the effluent must be submitted to the Environment Agency for approval at least 4 weeks prior to commissioning. |
| PO2 | The use of wastewater for the purpose of irrigation. | A Wastewater Irrigation Management Plan that has been approved by the Environment Agency must be in place. |

| Table S1.4 Pre-operational measures for future development | | |
|---|--|--|
| Reference | Operation | Pre-operational measures |
| PO3 | The operation of the effluent treatment plant with a total daily discharge volume of greater than 500 m ³ /day. | The operator shall make any updates to the Environmental Management System and associated documents (emergency plans, accident plans, planned preventative maintenance), which shall be made available to the Environment Agency for inspection. |
| PO4 | The operation of the effluent treatment plant with a total daily discharge volume of greater than 570 m ³ /day. | The operator shall submit a written report to the Environment Agency with an assessment (carried out in conjunction with Wessex Water) of the hydraulic capacity of the final effluent disposal main (FEDM) and the environmental impacts from the proposed increases in discharge volume from Lag Farm Dairy. The report shall include confirmation that there will be no greater risk of spills from the FEDM (in particular, to Blagdon Lake SSSI) and/or details of any upgrading works required to accommodate the increase in discharge volume. Following submission of the report, the operator must gain approval in writing from the Environment Agency prior to increasing their daily discharge volume above 570 m ³ /day. |
| PO5 | Each staged increase in production that leads to a greater volume of effluent being produced. | The operator shall provide the Environment Agency with at least 4 weeks notice prior to each planned increase in production that will lead to a greater volume of effluent being produced. This notice will include confirmation of the new maximum daily volume of discharge. |

Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels | |
|------------------------------------|-----------------|
| Raw materials and fuel description | Specification |
| Sulphur content of fuel oil | Maximum of 0.1% |

Schedule 3 – Emissions and monitoring

| Emission point ref. & location | Source | Parameter | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--|---|-------------------|------------------------|------------------|----------------------|-------------------------------|
| A1 as shown on Discharge Release Points plan (drawing ref: YVIPPCACAD001) of application EPR/NP3532SU/V005 | Kerosene fuelled steam-raising boilers 2.5MW _{th} (average demand) | No parameters set | No limits set | --- | --- | --- |

| Emission point ref. & location | Source | Parameter | Limit (incl. unit) ¹ | Reference Period | Monitoring frequency | Monitoring standard or method |
|---|--------------------------|---------------------------------|---|---|----------------------|--|
| W1 as shown on Discharge Release Points plan (drawing ref: YVIPPCACAD001) of application EPR/NP3532SU/V005 emission to River Congresbury Yeo via Wessex Water's final effluent disposal main. | Effluent Treatment Plant | Total daily volume of discharge | 570 m ³ /day | 24-hour total | Continuous | MCERTS self-monitoring of effluent flow scheme |
| | | | 960 m ³ /day following completion of PO4 | | | |
| | | BOD | 10 mg/l | Spot sample | Monthly | SCA blue book 130 |
| | | COD | No limit set | Spot sample | Daily | ISO 15705 |
| | | Ammoniacal nitrogen (as N) | 2 mg/l | For 95% of all measured values of periodic samples taken over a quarter | Daily | ISO 7150-1 |
| | | | 5 mg/l | Spot sample | | |
| | | Suspended solids | 20 mg/l | Instantaneous | Continuous | MCERTS |
| | | Oil and grease | No visible trace | Spot sample | Daily | Visual check |
| | | pH | 6 - 9 | Instantaneous | Continuous | SCA blue book 14 |
| | | Orthophosphate | 1 mg/l | Annual average | Daily | ISO 6878 |
| Temperature | No limit set | Instantaneous | Continuous | SCA blue book 112 | | |

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) ¹ | Reference Period | Monitoring frequency | Monitoring standard or method |
|--|--|-------------------|--|-------------------------|-----------------------------|--------------------------------------|
| W2 as shown on Discharge Release Points plan (drawing ref: YVIPPCACAD001) of application EPR/NP3532SU/V005 emission to open agricultural ditch leading to Blagdon lake | Uncontaminated storm water via lagoons | No parameters set | No limit set | --- | --- | --- |

Note 1: These emission limit values will be subject to review by the Environment Agency following the findings of the Blagdon Study and may be updated accordingly. (See IC8)

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 water Parameters as required by condition 3.5.1 | W1 | Every 3 months | 1 January, 1 April, 1 July, 1 October |

| Table S4.2: Annual production/treatment | |
|--|--------------|
| Parameter | Units |
| Production of Cultured Products (packaged) | Tonnes |

| Table S4.3 Performance parameters | | |
|--|--------------------------------|--|
| Parameter | Frequency of assessment | Units |
| BOD | Annually | BOD per tonne of cultured product |
| Water usage | Annually | m ³ per tonne of cultured product |
| Energy usage | Annually | MWh |
| Waste disposal and/or recovery | Annually | tonnes |
| Wastewater used for irrigation | Annually | m ³ |
| Refrigerant usage | Annually | kg |

| Table S4.4 Reporting forms | | |
|-----------------------------------|---|---------------------|
| Media/parameter | Reporting format | Date of form |
| Water | Form Water 1 or other form as agreed in writing by the Environment Agency | 18/02/16 |
| Water usage | Form WU1 or other form as agreed in writing by the Environment Agency | 01/01/06 |
| Energy usage | Form E1 or other form as agreed in writing by the Environment Agency | 01/01/06 |
| Waste return | Form R1 or other form as agreed in writing by the Environment Agency | 01/01/06 |
| Other performance indicators | Form Performance 1 or other form as agreed in writing by the Environment Agency | 18/02/16 |

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

Part B – to be submitted as soon as practicable

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

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

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

“Blagdon Study” refers to the ‘Blagdon Reservoir and River Yeo (Congresbury) Environmental Assessment’ initiated by Bristol Water, Wessex Water, the Environment Agency and Yeo Valley in order to improve understanding of the complex nature of issues (water quality, flow, sediment dynamics, ecology and regulatory pressures) associated with the River Yeo downstream of Blagdon Reservoir. The Phase 3 impact assessment will be documented in a Final Report due in April 2017.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 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.

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

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

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

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

“Pests” means Birds, Vermin and Insects.

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

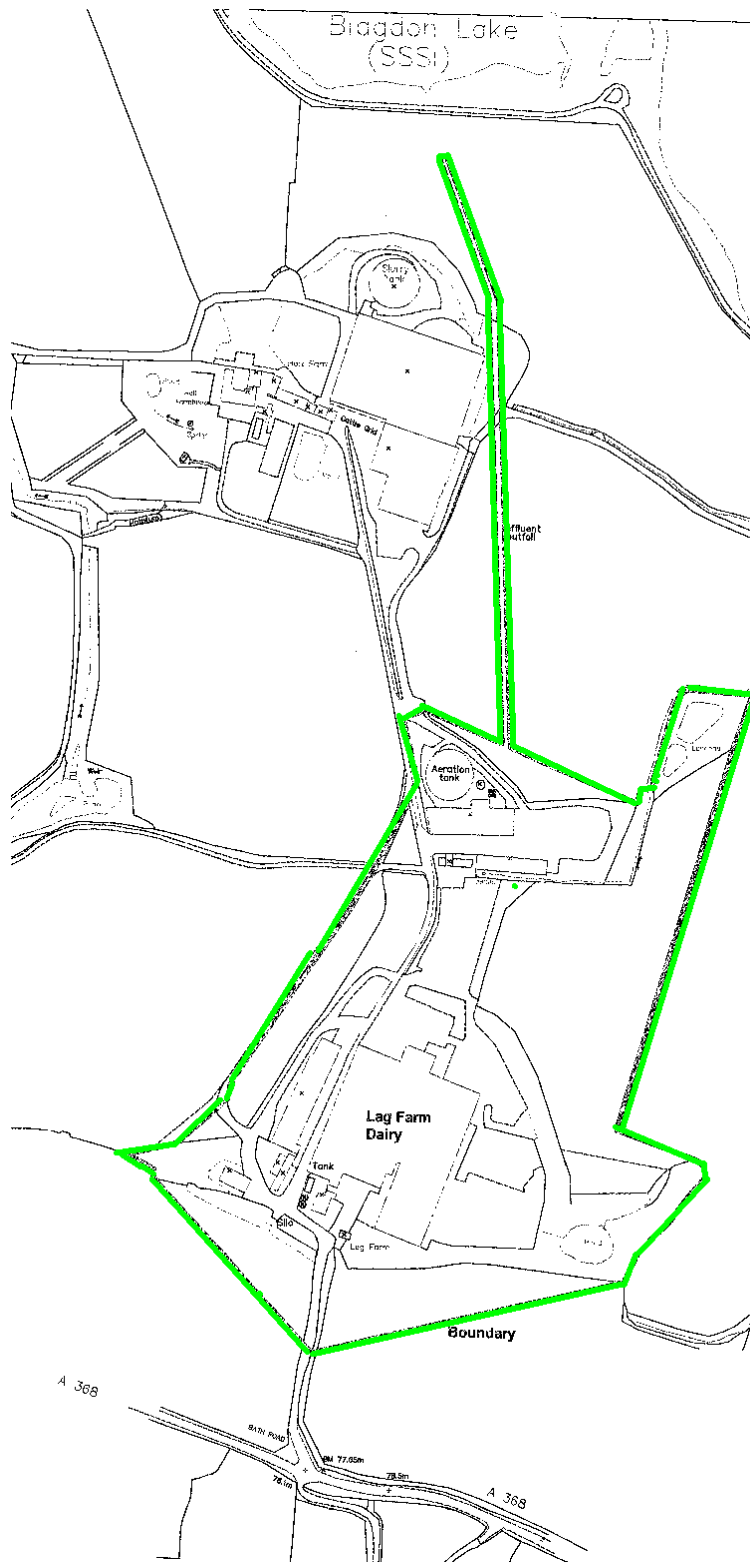
“year” means calendar year ending 31 December.

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

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 – Site plan



END OF PERMIT