Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Pattemore's Transport (Crewkerne) Limited

Pattemores Dairy
Mosterton Road
Misterton
Crewkerne
Somerset
TA18 8NT

Permit number

EPR/NP3127SX

Pattemores Dairy
Permit number EPR/NP3127SX

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows - The Pattemores Dairy site is located in the local authority of Sommerset within approximately 1km south of the village Misterton, at national grid reference ST 46007 07193 encompassing 6.3 hectares (15.5 acres). There are several separate buildings on-site. The surrounding area consists of mostly rural land. The closest residential sensitive receptors are located approximately 250m to the north and 160m to the northwest of the site with an A-road between which traverses through the north and south. Multiple rural fields and a solar farm (operated by Pattemore Transport (Crewkerne) Limited) are located to the east and south with the closest residential sensitive receptor to the southeast approximately 1km away.

The site undertakes the production of pasteurised milk, cream and concentrated skimmed milk for cream production. The installation's maximum daily milk intake is limited to 2066 tonnes per day. The site produces approximately 1166 tonnes per day of milk-based product of which under 300 tonnes per day is from the pasteurisation and packaging of plant- based milk.

The Environmental Permit is for the following scheduled activity:

Section 6.8 Part A(1) e): Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis).

There is also an additional activity:

Section 5.4 A(1) (a) i): Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment - biological treatment.

Raw materials are made up of raw cow, goat and plant-based milk. All materials are inspected and recorded before being accepted. A rejection procedure is in place if any problems occur with the raw material at any stage and appropriate action is taken with the supplier. Raw materials are stored under controlled conditions prior to use. The stores are regularly inspected, and maintenance requirements are captured within the Maintenance and Service Planner (PAT-MP-01). Raw materials are tested on the regular basis to ensure they are suitable for use in processing. Raw milk is accepted in bulk and stored within the Milk Silos. Each raw material has its own processing system and is stored within a controlled temperature range of 1-5^{o}C.

Cow's milk:

A portion of the cow's milk is diverted directly to the pasteurisation unit. The pasteurised milk is then homogenised, then either dispatched in bulk or packaged and sent off-site. The milk that is not pasteurised and is routed via 3 No. lines to the 3 No. separators which work using centrifugal force to separate the cream from the milk ('skim'). Depending on market demands, the resulting cream is either stored in the Cream Holding Tanks, dispatched off-site in bulk or packed for dispatch. A proportion of the resulting skim is passed through a clarifier. Depending on market demands, the resulting skim from the separators is either: Dispatched off site in bulk, packaged and dispatched off-site or piped to the skim silo for storage and then to the Evaporators to produce concentrate, which is either dispatched in bulk or packaged.

Goat's milk:

The raw goat's milk is diverted directly to the pasteurisation unit. The pasteurised milk is then homogenised, then either dispatched in bulk or packaged and sent off-site.

Plant milk:

The plant-based milk is received from bulk tankers and is stored in silos before being diverted to the pasteurisation unit. The pasteurised milk is then packaged and stored prior to dispatch.

The site's use of a medium combustion plant (MCP) was permitted under reference EPR/NP3124SP as part of standard rules SR2018 No 7 and has been superseded by this permit. The key emissions source points to air arise from two medium combustion plant kerosene fired boilers, with a rating of 3.33 and 3.34 MWth. There is also one additional kerosene boiler with a rating of 0.72 MWth. These boilers are used to heat the milk while being processed in the pasteurisation unit. There is also one standby MCP kerosene boiler with a rating of 3.27MWth which is use during servicing/maintenance of the main two boilers, and one standby MCP gas oil (diesel) fired generator with a rating of 1.21 MWth.

The site was permitted under permit reference SW/EPR/ZB3799NK/A001 for discharge to surface water in 2014 which has been superseded by this permit. There is an on-site borehole used by the Operator under a local environmental permit (16/52/003/G/166) to abstract a maximum of 55m^3 per day and 16,500m^3 per year of water for cleaning down and mixing with polymers.

Emissions of dairy effluent are managed via the on-site effluent treatment plant (ETP) which has a total storage capacity of 1,346m^3. Effluent streams entering the ETP are treated by Dissolved Air Flotation (DAF) within the DAF Tank and then undergo secondary treatment within either the Membrane Bioreactor (MBR) or the BIO (Biomass) DAF. Within the DAF Tank, most solids are removed through a combination of adding Poly Aluminium Chloride (PAC), Sulphuric Acid and Polymer in conjunction with the white-water system and paddles to scrape off the sludge that has risen to the surface. The partially treated liquid component of the effluent is directed to the Anoxic tank and subsequently to the Activated Sludge and Aerobic Tank (AS Tank) before undergoing secondary treatment within either the MBR or the BIO DAF. Within the MBR, 400 filter screens allow the flow of liquid across the membranes to filter out the mixed liquor suspended solids (MLSS) which are directed to the Anoxic tank, with the treated process effluent then discharged to the 'pond' system (consisting of reed beds and lagoons). The BIO DAF system operates in parallel to the MBR, receiving liquid MLSS from the Activated Sludge and Aerobic Tank (AS Tank) and by adding Polymer in conjunction to the white-water system, separating the MLSS from the liquid. The treated process effluent can then be discharged to the ponds and the majority of the MLSS sent back to the AS tank. The Sludge Tank receives the sludge from the Main DAF but also a percentage of the BIO DAF scrapings. Material from the Sludge Tank is sent to the Screw Press whereby adding Polymer and then forcing it through a helicoid rotating screw and pressing it against the filter plates, the liquid is removed from the solid. The liquid is in turn fed into the Main DAF tanks under controlled conditions (as slowly as possible) and the solids are sent to an off-site Anaerobic Digestion (AD) plant for treatment and recovery. All treated trade effluent is discharged from the pond to the tributary of the River Parrett via a V-Notch at Emission Point W1.

There are two European statutory designated sites within 10km of the site which consists of the West Dorset Alder Woods and Bracket's Coppice which are both registered as a special area of conservation (SAC). There are also 11 local wildlife sites within 2km of the site. The site is located on a nutrient neutrality (NN) catchment of the Somerset Levels and Moors.

The site has an Environmental Management System (EMS) in place which meets the requirements of best available technique conclusion (BATc) 1 and 2.

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

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/NP3127SX/A001 Received 16/11/2024	Duly made 13/01/2025	Application for an existing dairy site to process cow's, goats and plant-based milk for the production of various dairy products, primarily pasteurised milk, cream and concentrated skimmed milk from cream production.
Request for Information sent 09/05/2025	Received 15/05/2025	Response to request for further information concerning confirmation of sulphur fuel content for kerosene and diesel fuel used on-site.
Request for Information sent 13/06/2025	Received 04/07/2025	Response to request for further information concerning best available techniques (BAT) clarification and environmental performance levels (EPLs) confirmation for specific energy consumption and specific water discharge.
Request for Information sent 31/07/2025	Received 20/08/2025	Response to request for further information concerning confirmation of the site's theoretical maximum intake of raw milk per day, lorry wash residue flow clarification, and containment.
Request for Information sent 01/09/2025	Received 26/09/2025	Response to request for further information concerning site boundary extension and updated site plan.
Permit determined EPR/NP3127SX	11/12/2025	Permit issued to Pattemore's Transport (Crewkerne) Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/NP3127SX

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Pattemore's Transport (Crewkerne) Limited ("the operator"),

whose registered office is

Mosterton Road
Misterton
Crewkerne
Somerset
TA18 8NT

company registration number 00626343

to operate an installation at

Pattemores Dairy
Mosterton Road
Misterton
Crewkerne
Somerset
TA18 8NT

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

Name	Date
Beccy Brough	**11/12/2025**

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.

2.3.6 For the following activities referenced in Schedule 1 Table S1.1 (AR3):

(a) the operator must keep periods of start-up and shut down of the combustion plant as short as possible.

(b) there shall be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993.

2.4 Improvement programme

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

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 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.

3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR3): for new MCP's (boiler 2) the first monitoring measurements shall be carried out within four months of the issue date of the permit or of the date when the MCP is first put into operation, whichever is later. For existing MCPs (boiler 1, boiler 4, and generator 1) the first monitoring measurement shall be carried out at any time, but no later than the relevant compliance date of 01/01/2030.

3.1.5 Monitoring of MCP shall not take place during periods of start-up or shut down.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

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

3.4 Noise and vibration

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

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period

specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

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

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

4.1.3 The operator shall maintain a record of the type and quantity of fuel used and the total annual operating hours for each MCP.

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 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.

4.3.8 the operator shall notify the Environment Agency, as soon as is practicable, in writing of any change of MCP at the specified location.

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 reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
AR1	Section 6.8 Part A(1)(e)	Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis).	From receipt of raw cow, goat and plant-based milk delivered to the site to the dispatch of packaged milk-based products, namely the production of pasteurised milk, cream and concentrated skimmed milk from cream production. Raw milk intake is limited to 2066 tonnes per day.
AR2	Section 5.4 Part A(1)(a)(i)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment.	From generation of wastewater to treatment, and discharge to River Parrett. Treatment including screening, Dissolved Air Floatation (DAF), biological treatment and dosing through the use of Poly Aluminium Chloride (PAC), Sulphuric Acid and Polymer. Secondary treatment is carried out within Membrane Bioreactor (MBR) or BIO (Biomass) DAF. Discharge Capacity is limited to 613.5m^3 per day.
Directly Associated Activity			
AR3	Steam and electrical supply	<u>Medium Combustion plants:</u> x1 3.34MWth (A1) x1 3.33MWth (A2) x1 3.27MWth (A4 – Standby boiler) all Kerosene fired boilers and; x1 1.21MWth (A5) gas oil (diesel) fired emergency standby generator. <u>Combustion plant <1MWth:</u> x1 0.72MWth (A3) Kerosene fired boiler.	From receipt of fuel to release of products of combustion to air. A5 is limited to 500 hours of operation annually.
AR4	Raw material storage and handling	Storage and handling of raw materials at the installation.	From receipt of raw materials to dispatch of final product.

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
AR5	Use of refrigerants	Use of refrigerants in cooling, chilling and/or freezing systems at the installation.	From receipt of raw materials to dispatch of final product.
AR6	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.
AR7	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application EPR/NP3127SX/A001	Application form Parts B2(v19), B3(v12) and B6(v13) of the application form. New bespoke in response to sections, 1, 2 Table 2 – Emissions (releases), 3 - Technical standards listed in Table 3a, Odour management plan reference PAT-OD-03 in response to section 3b Table 4 – General requirements, 3c Table 5 – Types and amounts of raw materials, 3d Table 6 – Questions for specific sectors, 4a, 6a, 6b, 6c, 6d, 6e, 7a, Medium Combustion Plant (MCP) identification in response to section 7b, appendix 1, question 13 of Part B3 of the application form. Process effluent and discharge in response to sections 1 Table 1 – About the effluent, 1b, 1d, 2c, 3b, 3c, 3d, 3e, 6a, 6c, 7a, 7b, 7c, 7g, 8b, 8c, 8e, 9e, 9f, 10a, 10b, 10d, 10e, 10f, 10j, 10k, 11a Table 3 – Where the effluent discharges to, 11b, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6 and 2.7 of Part B6 of the application form.	Duly Made 13/01/2025
Response to RFI dated 13/12/2024	Response to providing documents referenced in the application; ‘PAT-OD-04 - Accident Management Plan’, ‘PAT-OD-03 - Odour Management Plan’ and ‘Air Quality Assessment’. Form B2 Q6 – Environmental Risk Assessment, site operational hours, noise sources, discharge to surface water monitoring data, effluent composition revaluation, Form B3 Q3a – Technical standards and infrastructure; Site containment, waste handling procedures, reedbed details, Form B3 Q3c – Raw Materials and Water Usage; Details of water usage and data. RFI extension granted.	13/01/2025
Additional information received	Proposed changes to the effluent treatment plant (ETP); additional effluent buffer storage, Repurposing existing balance tank as an activated sludge tank.	13/12/2024
Response to RFI dated 09/05/2025	Confirmation of sulphur fuel content for kerosene and diesel fuel used on-site.	15/05/2025
Response to RFI dated 13/06/2025	Response to best available technique conclusions (BATc) assessment questions for BATc 1(iv), 4, 6, 9, 21 and associated environmental performance levels (EPLs) as specified in tables 8 and 9.	04/07/2025

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Response to RFI dated 31/07/2025	Response to question regarding site capacity and containment (CIRIA 736).	20/08/2025
Response to RFI dated 01/09/2025	Site boundary extension and updated site plan.	26/09/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1 (Containment)	The Operator shall undertake a survey of the primary, secondary and tertiary containment at the site (including the WPF and associated storage areas) and review measures against relevant standards including: • CIRIA Containment systems for the prevention of pollution (C736) – Secondary, tertiary and other measures for industrial and commercial premises, • EEMUA 159 - Above ground flat bottomed storage tanks The operator shall submit a written report, summarising the survey, to the Environment Agency for assessment and written approval. The report shall include, but should not be limited to, the following: • Current containment measures • Any deficiencies identified in comparison to relevant standards, • Improvements proposed • Time scale for implementation of improvements. The operator shall implement any proposals in the report in line with timescales agreed with the Environment Agency.	9 months from permit issue (EPR/NP3127SX/A001) or other date as agreed in writing with the Environment Agency.
IC2 (Site plan)	The operator shall submit an updated site plan to the Environment Agency for confirmation. The plan must clearly show the site boundary in green and identify all emission points on site.	3 months from permit issue (EPR/NP3127SX/A001) or other date as agreed in writing with the Environment Agency.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Gas oil (Diesel)	Not exceeding 0.1% w/w sulphur content

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]	Boiler 1 3.34 MWth Kerosene fired boiler [Note 1]	Oxides of Nitrogen (NO and NO2 expressed as NOx)	200 mg/m^3	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Every three years	BS EN 15058
A2 [Point A2 on site plan in Schedule 7]	Boiler 2 3.33 MWth Kerosene fired boiler [Note 1]	Oxides of Nitrogen (NO and NO2 expressed as NOx)	200 mg/m^3	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Every three years	BS EN 15058
A3 [Point A3 on site plan in Schedule 7]	Boiler 3 0.72 MWth Kerosene fired boiler	Oxides of Nitrogen (NO and NO2 expressed as NOx)	No limit	--	--	--
		Carbon monoxide	No limit	--	--	--
A4 [Point A4 on site plan in Schedule 7]	Boiler 4 (standby) 3.27 MWth Kerosene fired boiler [Note 1] [Note 2]	Oxides of Nitrogen (NO and NO2 expressed as NOx)	200 mg/m^3	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Every three years	BS EN 15058
A5 [Point A5 on site plan in Schedule 7]	Generator 1 (standby) 1.21 MWth gas oil (diesel) fired engine [Note 1] [Note 2]	Oxides of Nitrogen (NO and NO2 expressed as NOx)	250 mg/m^3	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Every three years	BS EN 15058
Note 1: This emission limit and/or monitoring requirement applies as outlined in condition 3.1.4, unless otherwise advised by the Environment Agency. Note 2: Emission limit and monitoring requirements apply when 500 hours per year of burning gas oil of have elapsed.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W1 on site plan in schedule 7 emission to River Parrett	Discharge from the effluent treatment plant - Sewage effluent and trade effluent comprising dairy effluent, dairy evaporator condensate waste, boiler blowdown water and the lower yard site drainage via outlet 1	Flow	613.5m^3 in any 24-hour period	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Maximum rate of discharge	15 l/s	Instantaneous	Continuous	MCERTS self-monitoring of effluent flow scheme
		pH	6-9	Spot sample	Weekly	BS ISO 10523
		Total suspended solids (TSS)	50 mg/l	24-hour flow proportional sample	Daily	BS EN 872
		Allylthiourea (ATU)-Biochemical Oxygen Demand (BOD) as O_2	10 mg/l	Spot sample	N/A	EN 1899-1
		BOD	No limit	Spot sample	Monthly	EN 1899-1
		Chemical oxygen demand (COD)	125 mg/l	24-hour flow proportional sample	Daily	As agreed in writing with the Environment Agency
		Ammoniacal nitrogen (as N)	5 mg/l	Spot sample	Daily	EN 12260, EN ISO 11905-1
		Total Nitrogen (TN) [Note 1]	57.26 mg/l	24-hour flow proportional sample	Daily	EN 12260, EN ISO 11905-1
		Total Nitrogen (TN) [Note 2]	20 mg/l	24-hour flow proportional sample	Daily	EN 12260, EN ISO 11905-1
		Total Phosphorus (TP)	4 mg/l	24-hour flow proportional sample	Daily	EN ISO 6878, EN ISO 15681-1 and -2, ENISO 11885
		Oils and grease	None visible	Visual check	Weekly	Visual

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**
W2 on site plan in schedule 7 emission to River Parrett	Surface water - Trade effluent comprising the upper yard site drainage via outlet 2	Maximum rate of discharge	15 l/s	Instantaneous	Continuous	MCERTS self-monitoring of effluent flow scheme
		pH	6-9	Spot sample	Weekly	BS ISO 10523
		Total suspended solids (TSS)	50 mg/l	24-hour flow proportional sample	Daily	BS EN 872
		Oils and grease	None visible	Visual check	Weekly	Visual
Note 1: The emission limit value applies until 31/12/2027. Note 2: The emission limit value applies from 01/01/2028.						

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**
Point source emissions to air Parameters as required by condition 3.5.1	A1, A2, A4 and A5	First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter.	From first monitoring requirements in accordance with Condition 3.1.4
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W1 and W2	Quarterly	1 January, 1 April, 1 July & 1 October

Table S4.2: Annual production/treatment	
Parameter	**Units**
Total raw product	tonnes
Total product produced	tonnes
Total cow's milk produced	tonnes
Total goat's milk produced	tonnes
Total plant-based milk produced	tonnes
Total cream produced	tonnes
Total skim produced	tonnes
Effluent treated	m^3

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	m^3
Energy usage	Annually	MWh
Waste – recovery/disposal routes	Annually	tonnes
COD loss efficiency	Annually*	COD te/te product
BOD	Annually	BOD per tonne of cultured product
Food waste	Annually	tonnes
Total raw material used	Annually	tonnes
Refrigerant usage	Annually	kg
Other performance parameters	Annually	tonnes per production unit

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
*COD loss efficiency to be calculated on a weekly frequency, reported annually or equivalent calculation as agreed in writing by the Environment Agency.		

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
Point source emissions to water (other than sewer)	Emissions to Water Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Food Waste	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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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.

“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.

“Food waste” reporting: Reporting of food waste to use a methodology such as the global Food Loss and Waste Accounting and Reporting Standard (FLW standard), WRAP’s Target Measure Act initiative or similar.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

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

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

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

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

“Pests” means Birds, Vermin and Insects.

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

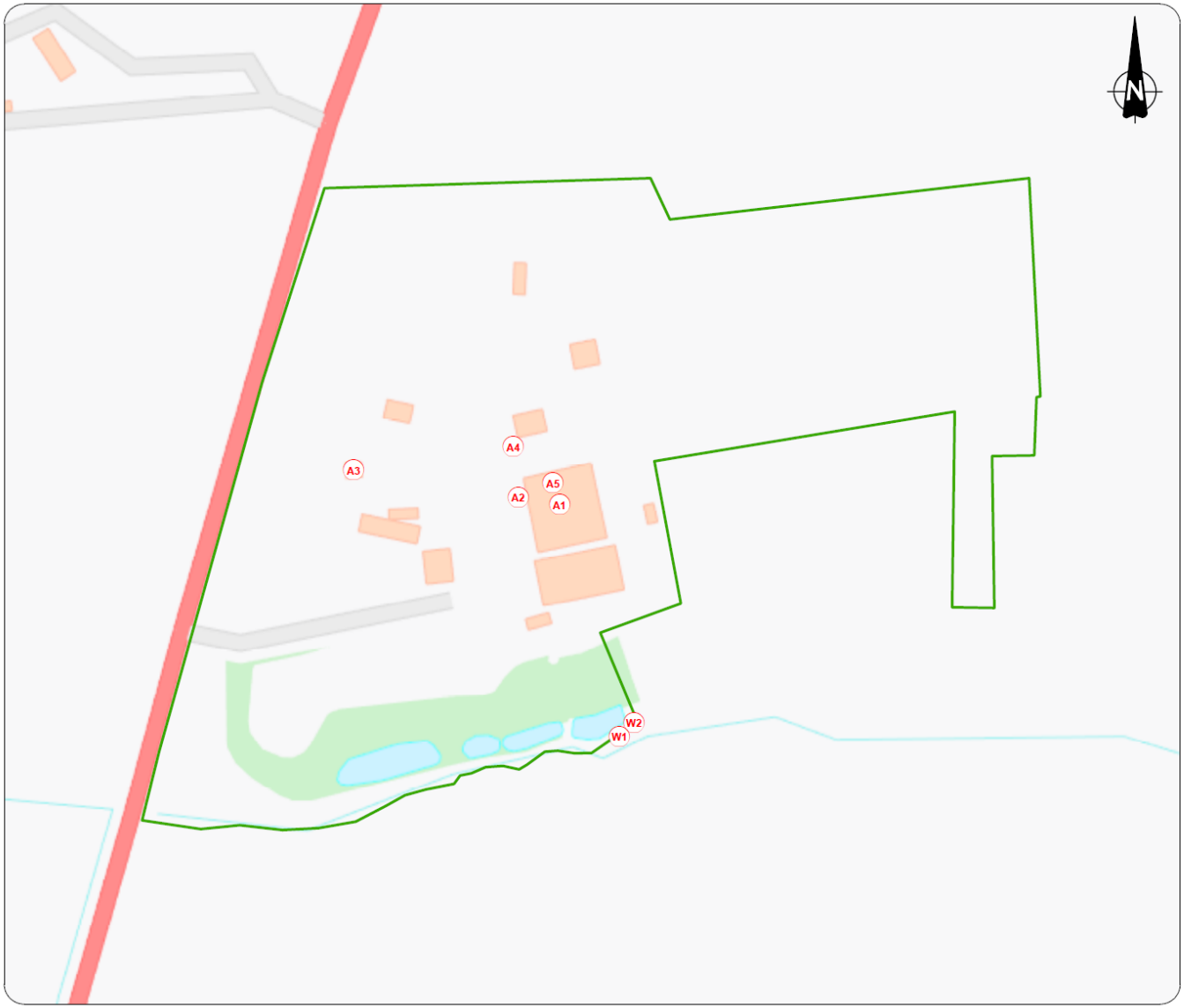
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels 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



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REVISIONS

REV	DATE	DESCRIPTION	DWN	CHK	APP
-	25/09/2025	First issue	JJ	MF	MF

LEGEND

Permit boundary

Emission point

0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

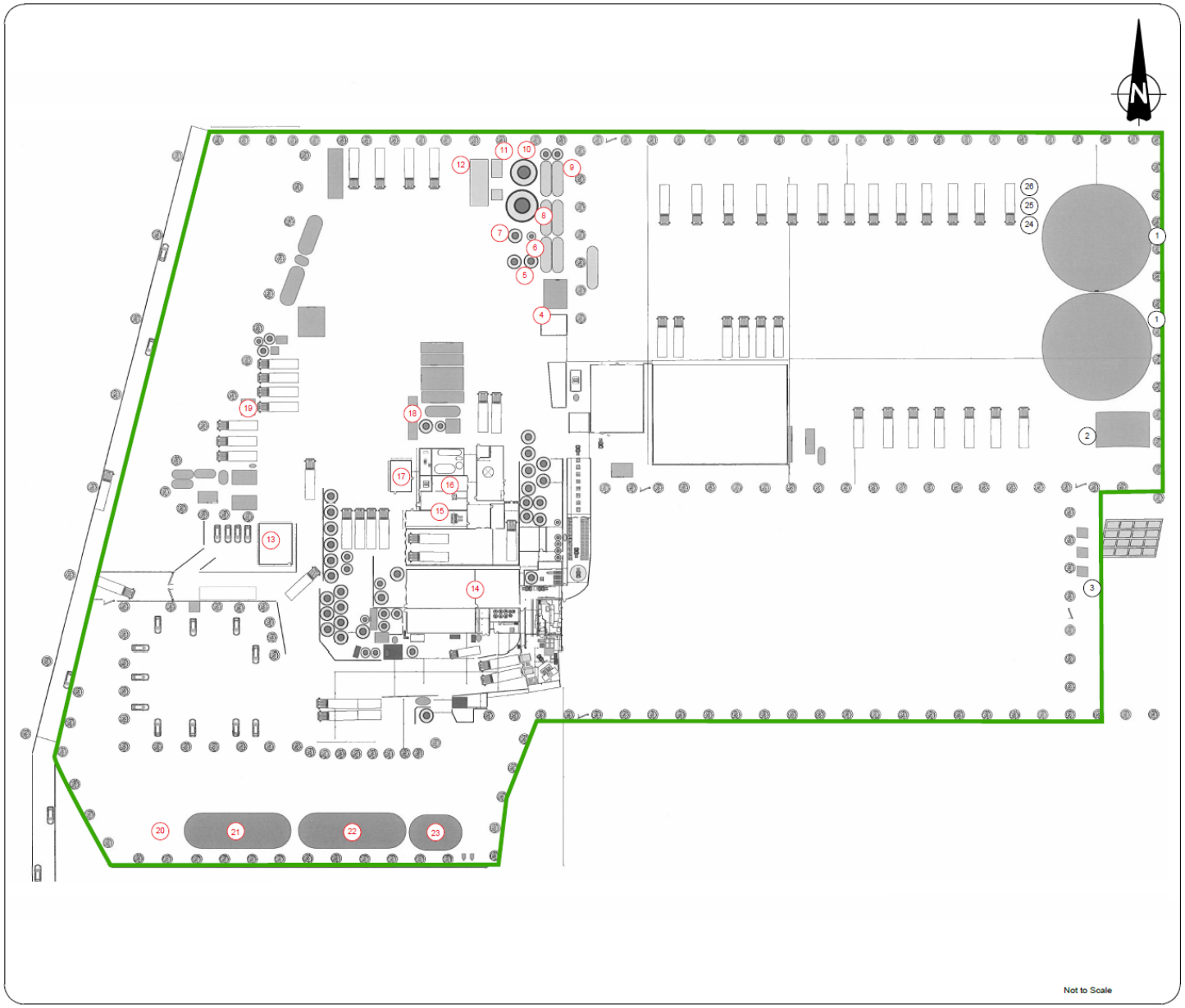
Client: Pattemore's Transport (Crewkerne) Ltd

Project: Environmental Permit Application

Title: Emission Point Plan

Earthcare TECHNICAL
Manor Farm
Chalton
Waterlooville
Hants PO8 0BG
Tel: 02392 290488
enquiries@earthcaretechnical.co.uk
www.earthcaretechnical.co.uk

Drawn	Checked	Approved	Revision
JS	AT	MF	
Date		Scale	Sheet Size
September 2025		1:1,500	A3
Drawing Number			File Reference
ETL886/2024/EPR02			ETL886/2024.mxd



REVISIONS

REV	DATE	DESCRIPTION	DWN	CHK	APP
-	09/01 2025	First Issue	JJ	MF	MF

LEGEND

Permit boundary

(1) Exising

(24) Proposed

1) New Effluent / Water Storage
2) Surface Water Settlement Ponds and Clarifier
3) Dewatering Bag
4) Dissolved Air Flotation (DAF) Plant
5) Sludge Tank
6) Anoxic Tank
7) Membrane Bioreactor (MBR)
8) Activated Sludge and Aerobic Tank
9) 6 No. Back Tanks
10) Balance Tank
11) Biomass (BIO) DAF Plant
12) Screw Press
13) Admin Office
14) Dairy Building
15) Boiler 1
16) Back-up Generator
17) Boiler 2
18) Boiler 4
19) Boiler 3
20) Reed Bed
21) Pond 1
22) Pond 2
23) Pond 3
24) Proposed new location for the Bio DAF
25) Proposed new location for the Screw Press
26) Proposed new location for the Sludge Tank

Client
Pattemore's Transport (Crewkerne) Ltd

Project
Environmental Permit Application

Title
Site Layout Plan

Earthcare TECHNICAL
Manor Farm
Chalton
Waterlooville
Hants PO8 0BG
Tel: 02392 290488
enquiries@earthcaretechnical.co.uk
www.earthcaretechnical.co.uk

Drawn	Checked	Approved	Revision
JJ	MF	MF	

Date	Scale	Sheet Size
January 2025	NTS	A3

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END OF PERMIT