

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Bridge Farm Nurseries Limited

Bridge Farm Nursery
Clay Lake Bank
Spalding
Lincolnshire
PE12 6RN

Variation application number

EPR/UP3205PX/V002

Permit number

EPR/UP3205PX

Bridge Farm Nursery

Permit number EPR/UP3205PX

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.

Bridge Farm Nursery is operated by Bridge Farm Nurseries Limited. It is located at Clay Lake Bank in Spalding, approximately centred at National Grid Reference (NGR) TF 25916 20560.

Prior to this variation, the regulated facility consisted of one biomass boiler [emission point A1] (permitted to accept less than 3 tonnes per hour of untreated wood waste as a fuel) and a standby gas oil boiler [emission point A2]. The facility was permitted as an activity falling under EPR Schedule 1 Ch5 5.1 Part B (a)(v) and Schedule 25A – (Medium Combustion Plant).

This variation is to add two new waste biomass boilers on-site [emission points A3 and A4]. These boilers are both fired on waste biomass and are associated with the same non-regulated business activity as the existing waste biomass boiler: the units are used to generate heat for the operator's greenhouses to maintain correct indoor growing conditions when ambient temperature is insufficient.

After this variation, the aggregated capacity on-site exceeds 3 tonnes per hour for the co-incineration of non-hazardous waste. Due to this, the on-site waste biomass boilers are now considered a Chapter 5 Section 5.1 Part A(1)(b) activity for waste co-incineration and the permit has been varied to a bespoke installation permit. By becoming an installations permit, the permit now has a new permit boundary, whereas before there were only emission points, and is subject to the requirements of the Industrial Emissions Directive.

The installation is only permitted to co-incinerate untreated wood waste, meeting the specification of waste code 19 12 07: 'wood from waste management facilities, other than wood containing hazardous substances 19 12 06'. The description of the permitted waste biomass is further restricted to specify that it shall consist only of visible clean waste wood streams segregated at the source where no chemical treatments have been applied, to prohibit post segregation of mixed waste wood streams from civic amenity sites or skip hire operators and to prohibit waste wood originating from construction and demolition activities. Waste wood meeting these requirements does not contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating and therefore its incineration is not subject to the requirements of Chapter IV of the Industrial Emissions Directive.

As a result of these additional boilers, the waste biomass storage capacity has increased. Whereas before, the waste wood storage did not exceed 125 tonnes at any time, and therefore did not come into regulation under the Environment Agency Regulatory Position Statement 213. After this variation, the total on-site waste storage capacity for waste biomass for incineration at any time is 500 tonnes and the throughput of waste biomass will not exceed 60,680 tonnes per annum.

The permitted installation, after this variation, comprises one gas oil boiler with a thermal rated input of 8.75MWth and three biomass boilers burning untreated clean waste wood chips each with thermal rated inputs of 8.947MWth each. The details of all units and the associated limits and monitoring requirements are specified in tables S1.1 and S3.1 of the permit. The permitted waste types are detailed in table S2.2.

The operator is permitted to operate the gas oil boiler for no more than 1,000 hours per annum. The operator is permitted to operate the 3 biomass boilers for 8,760 hours per annum (all year around), although this operation is expected to happen only when ambient temperature is insufficient for the greenhouses.

The gas oil boiler discharges directly to the atmosphere via a dedicated 9 metre tall stack. The three biomass boilers each discharge via cyclones and bag filters, and out of dedicated 12 metre, 14.5 metre and 14.5 metre tall stacks, respectively.

There are no sensitive European Sites or Sites of Special Scientific Interest within the relevant screening distances. The nearest human health receptor is located approximately 210 metres from the facility. The facility is not located within an Air Quality Management Area.

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 EPR/UP3205PX/V002	Duly made 16/05/19	Bespoke application for a new MCP facility.
Additional information received	18/06/19	Confirmation of the maximum waste input capacity of the biomass boiler.
Additional information received	21/06/19	Confirmation of the accepted EWC waste code and the maximum on-site waste biomass storage capacity.
Additional information received	01/07/19	Confirmation of the more exact NGRs of the emission points.
Permit determined EPR/UP3205PX (billing reference UP3205PX)	06/08/19	Permit issued to Bridge Farm Nurseries Limited.
Application EPR/UP3205PX/V002	Duly made 11/12/19	Variation application for additional two waste biomass boilers and the subsequent permit changes required for it to be a Chapter 5 S5.1 Part A(1)(b) incineration activity.
Additional information received	13/12/19	Risk assessment and revised site condition report submitted.
Response to Schedule 5 Notice issued 20/12/19	Received 03/01/2020	Additional information on operational hours for the operation of the biomass boilers and revised Fire Prevention Plan
Response to Schedule 5 Notice issued 24/01/2020	Received 28/02/2020	Additional information on the proposed operating techniques, revised Fire Prevention Plan.
	Received 06/03/2020	Revised Site Condition Report including soil baseline data.
Additional information received	16/03/2020	Revised information on operating techniques and emission abatement equipment.
Additional information received	24/03/2020	Revised information on site waste acceptance procedures
Variation determined EPR/UP3205PX (billing reference JP3703BF)	16/04/2020	Varied and consolidated permit issued to Bridge Farm Nurseries Limited.

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/UP3205PX

Issued to

Bridge Farm Nurseries Limited (“the operator”)

whose registered office is

1-4 London Road

Spalding

Lincolnshire

PE11 2TA

company registration number 04184232

to operate a regulated facility at

Bridge Farm Nursery

Clay Lake Bank

Spalding

Lincolnshire

PE12 6RN

to the extent set out in the schedules.

The notice shall take effect from 16/04/2020

Name	Date
Simon Hunt	16/04/2020

Authorised on behalf of the Environment Agency

Schedule 1

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

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/UP3205PX

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/UP3205PX/V002 authorising,

Bridge Farm Nurseries Limited (“the operator”),

whose registered office is

**1-4 London Road
Spalding
Lincolnshire
PE11 2TA**

company registration number 04184232

to operate an installation at

**Bridge Farm Nursery
Clay Lake Bank
Spalding
Lincolnshire
PE12 6RN**

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

Name	Date
Simon Hunt	16/04/2020

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 recovered with a high level of energy efficiency and 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 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 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.
- 2.3.6 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, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993.
- 3.1.4 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.
- 3.1.5 For the following activities referenced in schedule 1, table S1.1 (AR1, AR2) the first monitoring measurements shall be carried out within four months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later.

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

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

3.4 Noise and vibration

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

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
 - (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 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.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

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.

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 reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity and waste/fuel types
AR1	Section 5.1 Part A(1)(b) The incineration of non-hazardous waste in a waste incineration plant or waste co-incineration plant with a capacity exceeding 3 tonnes per hour.	<u>Phase 1 boiler 1</u> (emission point A1) 1 x 8.947MWth waste incineration plant (new medium combustion plant)	8,760 hours per annum Untreated waste wood chips listed in table S2.2. (Virgin wood biomass used in alternative to untreated waste wood until completion of pre-operational condition PO1). Maximum incineration throughput: 6.927 tn/hr (3 biomass boilers).
		<u>Phase 2 boiler 1</u> (emission point A3) 1 x 8.947MWth waste incineration plant (new medium combustion plant)	
		<u>Phase 2 boiler 2</u> (emission point A4) 1 x 8.947MWth waste incineration plant (new medium combustion plant)	
Directly Associated Activity			
AR2	Heat generation in stand-by boiler plant	<u>Stand-by gas oil boiler</u> (emission point A2) 1 x 8.75MWth (new medium combustion plant)	1,000 hours per annum

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/UP3205PX/A001 for Schedule 1 Ch5 5.1 Part B Small Waste Incineration Plant and Medium Combustion Plant activities	<p>Operating techniques for Schedule 1 Ch5 5.1 Part B Small Waste Incineration Plant and Medium Combustion Plant</p> <p>(a) Unless otherwise agreed in writing, the waste incineration plant must comply with the requirements of Environmental Permitting Technical Note 5/1(18), Final Draft, dated 15/08/18 which will serve as statutory guidance under Regulation 65(1) of The Environmental Permitting Regulations 2016 once finalised.</p> <p>(b) Each MCP must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this.</p> <p>(c) The operator must keep periods of start-up and shut-down of each MCP as short as possible.</p>	Determined 06/08/19

Table S1.2 Operating techniques		
Description	Parts	Date Received
	(d) There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993.	
Application for variation EPR/UP3205PX/V002	The operating techniques described in the following application documents: <ul style="list-style-type: none"> - Documents titled 'Proposed Change, Bridge Farm Nurseries Clay Lake Bank Phase 2' and Non-technical Summary, (received by email from Sophie Archer, dated 08/11/2019) - Document titled 'Boilers at Bridge Farm Nurseries, Clay Lake Bank, Spalding, Air Quality Assessment', Report Number: 443349-AQ-01(01), dated September 2019 - Document titled 'Biomass Waste Management Statement' 	Duly made 11/12/19
Response to Schedule 5 Notice dated 24/01/2020 and requests for additional information dated 11/03/2020 and 13/03/2020	Document titled 'Best Available Technique Assessment', version of March 2020.	Received 16/03/2020
	Document titled 'Biomass Boilers Waste Wood Feed Rates', including the firing diagram for Phase 1 and Phase 2 biomass boilers.	Received 28/02/2020
	Fire Prevention Plan, version V7, dated 27/02/2020	Approved 28/02/2020
	Document titled 'Grade A Waste Wood Acceptance Procedure'	Received 24/03/2020

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall submit a written report for approval by the Environment Agency on the development and implementation of its Environmental Management System. The report shall provide details on all the procedures and plans, roles and responsibilities, training and resources included in the site Environmental Management System. The report shall include, but shall not be limited to, details on the implementation of the site Waste Acceptance Procedure and the associated audits of waste wood suppliers and records.	Within 6 months from issue date of variation V002.
IC2	The Operator shall submit a written report for approval by the Environment Agency confirming the installation and commissioning the particulate abatement system (consisting of multi-cyclone and bag filter) and NOx abatement system (consisting of selective non-catalytic reduction) in the existing Phase 1 biomass boiler (emission point A1), as committed in the application document for variation EPR/UP3205PX/V002, titled 'BAT Assessment', version dated March 2020.	Within 6 months from issue date of variation V002.
IC3	The Operator shall submit a written report for approval by the Environment Agency confirming that any works to make impermeable the areas designated for containment of firefighting water, as described in the Fire Prevention Plan, have been completed.	Within 6 months from issue date of variation V002.
IC4	The Operator shall submit a written report for approval by the Environment Agency confirming completion of the works to install the	Within 9 months from

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	bund for the gas oil tank, capable of holding 110% of the tank's capacity and designed to meet the standards described in CIRIA Report C736.	issue date of variation V002.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PO1	Acceptance and storage of waste wood into fuel stores after issue of variation V002, permitting Phase 2 operations.	<p>Prior to accepting on site any waste wood to feed the biomass boilers, the Operator shall submit for approval by the Environment Agency a report confirming that any detection and suppression system described in the Fire Prevention Plan, including fire-fighting hoses and hydrants, have been installed and are fully operational.</p> <p>The biomass boilers may operate with virgin wood only (non-waste wood) until approval of this pre-operational condition.</p>

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Virgin wood biomass	Virgin wood biomass used in alternative to untreated waste wood until completion of pre-operational condition PO1

Table S2.2 Permitted waste types and quantities for the incineration of wood in a Sch1 Ch5 5.1 Part A(1)(b)	
Maximum quantity	Description
	<p>The total quantity of waste accepted at the site for the above activity shall be no more than 60,680 tonnes per annum.</p> <p>Storage of waste shall not exceed 500 tonnes at any time, split as follows:</p> <ul style="list-style-type: none"> - Fuel Store Phase 1 – maximum 125 tonnes at any time; - Fuel Store Phase 2 – maximum 375 tonnes at any time.
Waste code	Description
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	<p>Wood other than wood containing hazardous substances (19 12 06) from waste management facilities, further restricted as follows:</p> <ul style="list-style-type: none"> - Only visibly clean waste wood is permitted, meeting the requirements of the Industrial Emissions Directive Article 3 (31) 2010/75/EU, where no chemical treatments have been applied and originating from streams segregated at the source (such as waste wood from pallets); - The post segregation of mixed wood streams from civic amenity sites or skip hire operators is not permitted; - The use of waste wood originating from construction and demolition activities is not permitted; - The use of waste wood chips from sources containing melamine faced wood is not permitted; - The use of waste wood chips originating from plywood, chipboard and fibreboard is not permitted.

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 ^{Note 1}
A1 [NGR: TF 25914 20526]	Phase 1 boiler 1 fired on clean untreated waste wood chips	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	300 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 14792
		Dust	30 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 13284-1
		Carbon monoxide	225 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 15058
		Total volatile organic compounds	30 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 13526
		Ammonia	10 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS EN ISO 21877
		Dark smoke	No visible dark smoke	Daily when in operation	Daily when in operation	Ringelmann Chart Shade 1. Methodology as approved in accordance with pre-operational measure PO1
A2 [NGR: TF 25904 20553]	Stand-by boiler fired on gas oil	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	200 mg/Nm ³	Periodic (average over one hour)	Every 3 years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic (average over one hour)	Every 3 years	MCERTS BS EN 15058
A3 [NGR: TF 25615 20122]	Phase 2 boiler 1 fired on clean untreated waste wood chips	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	300 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 14792
		Dust	30 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 13284-1
		Carbon monoxide	225 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 15058
		Total volatile organic compounds	30 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 13526

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 ^{Note 1}
		Ammonia	10 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS EN ISO 21877
		Dark smoke	No visible dark smoke	Daily when in operation	Daily when in operation	Ringelmann Chart Shade 1. Methodology as approved in accordance with pre-operational measure PO1
A4 [NGR: TF 25613 20108]	Phase 2 boiler 2 fired on clean untreated waste wood chips	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	300 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 14792
		Dust	30 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 13284-1
		Carbon monoxide	225 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 15058
		Total volatile organic compounds	30 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS BS EN 13526
		Ammonia	10 mg/Nm ³	Periodic (average over one hour)	Annually extractive	MCERTS EN ISO 21877
		Dark smoke	No visible dark smoke	Daily when in operation	Daily when in operation	Ringelmann Chart Shade 1. Methodology as approved in accordance with pre-operational measure PO1
Notes:						
1. Sampling requirements for stack emissions monitoring according to EA TGN M1						

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
None, emission to land associated with runoff from permitted areas	Uncontaminated surface runoff (Note 1)	No parameters specified	No limits specified	-	-	-
Notes:						
1. In the case of a fire to combustible waste stored on-site, containment of firefighting water shall be ensured according to approved Fire Prevention Plan referred in Table S1.2.						

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
None from permitted activities	No source allowed to go to an emission point	None	Zero for all substances	None	None	None

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
Activity AR1, Phase 1 boiler 1, emission point A1	Oxygen in combustion chambers	Continuous	Manufacturer's specification	Not applicable
Activity AR1, Phase 2 boiler 1, emission point A3				
Activity AR1, Phase 2 boiler 2, emission point A4				
Activity AR1, Phase 1 boiler 1, emission point A1	Pressure / pressure drop in bag filters (particulate abatement)	Continuous	Manufacturer's specification	Not applicable
Activity AR1, Phase 2 boiler 1, emission point A3				
Activity AR1, Phase 2 boiler 2, emission point A4				

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, A3, A4	Yearly ^[Note 1]	1 January
	A2	Every 3 years ^[Note 1]	1 January
Notes:			
1. First monitoring within 4 months as required by condition 3.1.5.			

Table S4.2: Annual production/treatment	
Parameter	Units
Annual operating hours for each boiler (A1, A2, A3, A4)	hours

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Energy usage	Annually	MWh
Total wood waste used	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	16/04/2020
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	16/04/2020
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	16/04/2020

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 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.

“biomass” means:

- (a) vegetable matter from agriculture and forestry;
- (b) vegetable waste from the food processing industry, if the heat generated is recovered;
- (c) fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is co-incinerated at the place of production and the heat generated is recovered;
- (d) cork waste; and
- (e) wood waste with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste originating from construction and demolition waste.

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

“emissions to land” includes emissions to groundwater.

“EA TGN M1” means the ‘Environment Agency Technical Guidance Note M1: Sampling Requirements for stack emissions monitoring’, published on Gov.UK.

“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.

“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

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“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.

“Pests” means Birds, Vermin and Insects.

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

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

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

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

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

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

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

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table 2.2, for that table, they have the meaning given below:

‘hazardous substance’ means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008

‘heavy metal’ means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances

‘PCBs’ means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight

‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances

Schedule 7 – Site plan



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