

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Brooke Energy Group Limited

Biomass Preparation Facility

Hill Barton Business Park

Stuart Way

Clyst St Mary

Devon

EX5 1SD

Permit number

EPR/DP3031JJ

Biomass Preparation Facility

Permit number EPR/DP3031JJ.

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The environment permit allows Brooke Energy Group Limited to operate the following installation and directly associated activities (DAA) at the Biomass Treatment Centre:

- 5.4 A (1)(b)(ii) - Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day per day; pre-treatment of waste for incineration or co-incineration.
- Temporary storage of non-hazardous waste prior to treatment.
- Storage of waste after treatment.

The permit allows for the storage and treatment of non-hazardous waste wood, for incineration. No hazardous materials will be accepted on site. The site will be permitted to have a maximum throughput of 35,000 tonnes annually.

There will be 3 distinct areas of the site: a materials reception and storage area for the delivery and receipt of waste feedstocks; a covered treatment area and storage bays for processed wood. All waste processing and storage areas are located on impermeable hardstanding.

All incoming non-hazardous waste wood will be inspected and graded prior to treatment. They are sorted into grade A wood, and grades B and C with no “potentially hazardous” material from construction and demolition activities (C&D); or potentially hazardous material from C&D.

With the exception of fugitive dust emissions, the activity does not give rise to any airborne emissions. All waste wood piles, and processing areas are subject to dust control and mitigations measures including covering of the treatment area, dampening of waste wood prior to shredding, misting sprays on the shredder, minimisation of drop heights for processed material falling into the processed wood bays and the maintenance of free board space within storage bays.

The site will operate in accordance with a Fire Prevention Plan, as referenced in Table S1.2 of the permit.

Whilst noise emissions are likely from the site’s operations, the operator submitted a detailed Noise Impact Assessment (NIA) which considers the potential risk of noise emissions on human receptors. The results of the NIA show that there is no significant impact as a result of the site’s operations. The operator submitted a Noise Management Plan that will be employed to prevent and mitigate noise impact.

There is a direct discharge of effluent from the site into an attenuation pond which then releases into a drainage ditch. Prior to discharge into the attenuation pond, all run-offs will pass through an interceptor which will remove any separable solids and oils. The attenuation pond has a lockable pen stock which can be utilised if there is a requirement to hold any discharge from site.

There are SAC and SPA sites that are located within screening distance to the site. The closest of these sites is located approximately 4029 metres from the facility. We have considered that the risk of impact from this facility on the habitat taking into account the distance and the proposed operating procedures. With regards to dust emission, the treatment operation is not expected to result in any significant dust impact that would lead to smothering.

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/DP3031JJ/A001	Duly made 10/02/23	Application for a 5.4A(1)(b)(ii) waste wood treatment and preparation facility to produce wood for use as biofuel
Additional Information Request 22/03/23	22/03/23	Email containing responses to a Request for Additional Information, inclusive: <ul style="list-style-type: none"> ▪ References to Site Condition report information including, Co-ordinates for the soil sampling locations, Lab results for waters encountered and groundwater investigation data.
Response to Schedule 5 request dated 12/04/23.	25/05/23	Email containing response to questions 1-6, Inclusive: <ul style="list-style-type: none"> ▪ Updated Dust and Emissions Management Plan (DEMP) ▪ Site layout ▪ Fire Prevention Plan v3 (FPP) ▪ H1 Risk Assessment ▪ Noise Management Plan.
Response to second Schedule 5 request 27/07/23	29/09/23	Email containing document SOL2103BR01 schedule 5 response, Dust and Emissions Management Plan V6_combined.
Permit determined. EPR/DP3031JJ/A001	11/12/23	Permit issued to Operator Name.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/DP3031JJ

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

Brooke Energy Group Limited (“the operator”),

whose registered office is.

Jewells

Hemyock

Cullompton

Devon

EX15 3XP

company registration number 10168506

to operate an installation at

Biomass Preparation Facility

Stuart Way

Hill Barton Business Park

Clyst St Mary

Devon

EX15 1SD

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

Name	Date
Peter Maksymiw	11/12/2023

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

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”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3, tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

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

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,

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
- (b) ambient air monitoring specified in table 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 unless otherwise agreed in writing by the Environment Agency.

3.6 Fire prevention

3.6.1 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
- 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 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.

4.4 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 and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	5.4 A (1)(b)(ii). Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day per day; pre-treatment of waste for incineration or co-incineration	R1 Use principally as a fuel or other means to generate energy	Physical treatment including manual and mechanical sorting/separation, screening, chipping and shredding of non-hazardous waste for disposal, Waste types as specified in Table S2.2.
Directly Associated Activity			
AR2	N/A	Temporary storage of non-hazardous waste prior to treatment R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of non-hazardous wood waste prior to treatment. Waste types as specified in table S2.2.
AR3	N/A	Storage of waste after treatment	Storage of processed wood waste prior to dispatch off site for disposal
AR4	N/A	Storage of raw materials including gas oil / diesel, lubrication and hydraulic oils	From receipt of raw materials to use within the facility
AR5	N/A	Collection of surface water from the site drainage to attenuation pond lagoon prior to discharge to drainage ditch.	Collected surface water to pass through interceptor and lagoon to surface water.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/DP331JJ/A001	Application document(s) provided in response to section 3a – technical standards, Part B3 and B4 of the application form, including: Accident Management Plan Application Bespoke SOL210BR01_Application Support Document Application Bespoke -NDM Response-SOL210BR01_ERA	Duly Made 10/02/23
Response to Schedule 5 Notice dated 02/03/23	Response to Q3a-f, Q4a-f SOL_21_903_BR_01 Noise Management Plan V2 SOL2103BR01 Fire Prevention Plan V3	25/05/23

Permit number

Error! Unknown document property name.

Table S1.2 Operating techniques		
Description	Parts	Date Received
	BE-01 Pre acceptance BE-02 Waste Acceptance BE-03 Waste Rejection	
Response to Schedule 5 Notice dated 27/07/23	Document provided. SOL2103BRO1 Dust and Emissions Management Plan V6_Combined	29/09/23

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1a	<p>The operator shall undertake a 12-month sampling and monitoring programme for the wastewater that is discharged from the emission point marked S1 in the site plan in Schedule 7 and shall submit the results to the Environment Agency for written approval.</p> <p>The monitoring programme shall fully characterise the wastewaters and shall include, but not be limited to, the parameters listed in Table S3.1.</p> <p>The sampling and monitoring programme shall be carried out at a frequency of a minimum of two samples a month and must total a minimum of 12 samples overall. The sampling and monitoring programme must be in line with the Environment Agency guidance https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit and at standards outlined in Table S3.2.</p>	31/12/2024
IC1b	<p>Following the completion of IC1a, the operator shall submit a completed H1 risk assessment and/or modelling report (where appropriate) to the Environment Agency for written approval.</p> <p>Based on the outcome of the H1 assessment and/or modelling, the operator shall provide in the report, an assessment on whether the wastewaters discharged to sewer from the site are likely to have significant or adverse impact on the final receiving waters.</p> <p>The H1 assessment and/or modelling shall take into consideration relevant environmental standards specified within the following guidance for the substances analysed:</p> <ul style="list-style-type: none"> • Specific substances and priority hazardous substances – Surface water pollution risk for your environmental permit Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk). <p>Where the results of the H1 assessment and/or modelling indicate that significant/adverse impact is likely, the operator shall cease further discharge of wastewater to surface water. The operator then shall submit a proposal of additional measures to be implemented to prevent or minimise any significant/adverse impact on the receiving waters, along with timescales for implementation to the Environment Agency for written approval.</p>	3 months following the completion of with IC1a.
IC1c	The operator shall implement/install any improvements and/or additional measures approved by the Environment Agency under IC1b and shall provide a written confirmation to the Environment Agency that the improvements and/or additional measures have been implemented/installed.	3 months following the completion of with IC1b.
IC2	The operator shall install covering on the processing equipment as proposed in the Dust and Emissions Management Plan V6, stated within the permit Operating techniques.	6 months 11/06/24
IC3a	Following the completion of IC2 the operator shall undertake a monitoring and sampling programme for fugitive particulate/dust emissions to air from	31/10/24

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
	site. The monitoring programme shall identify levels of dust emissions produced on site and determine the composition of the deposited dust. Monitoring shall take place between June and October Monitoring shall be undertaken to the frequency and standards given in table S3.2.	
IC3b	Following the completion of IC3a, the operator shall submit a written report to the Environment Agency for approval. The report shall contain a review of the results of the particulate/dust monitoring. The report shall include analysis of the dust collected to determine the contribution to dust samples from the site's operations. If necessary, the report shall include further measures to be undertaken to reduce particulate emissions at the facility and dates for implementation. The actions and outcomes of the report shall be implemented by the operator from the date of written approval by the Environment Agency. The operator shall submit a revised Dust Emissions Management Plan (DEMP) to include the agreed changes	3 months 31/01/25

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
Gas, oil, diesel, lubrication and hydraulic oils	--

Maximum quantity	The total quantity of waste accepted at the site shall be less than 35,000 tonnes per annum.
Waste code	Description
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
15	Waste packaging
15 01	Packaging
15 01 03	wooden packaging
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood
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	wood other than that mentioned in 19 12 06
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 38	wood other than that mentioned in 20 01 37

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. Unit) ⁽¹⁾	Reference period	Monitoring frequency ⁽³⁾	Monitoring standard or method
S1 Drain Discharge on site plan in schedule 7 emission to surface water	Collected surface water from site drainage	Total organic Carbon (TOC) ⁽²⁾	60 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	EN 1484
		Total Suspended Solids (TSS) ⁽²⁾	60 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	EN 872
		Hydrocarbon oil index (HOI) ⁽²⁾	10 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	EN ISO 9377-2
		Arsenic ⁽²⁾	0.05 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)
		Cadmium ⁽²⁾	0.05 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)
		Chromium ⁽²⁾	0.15 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)

Emission point ref. & location	Source	Parameter	Limit (incl. Unit) ⁽¹⁾	Reference period	Monitoring frequency ⁽³⁾	Monitoring standard or method
		Copper ⁽²⁾	0.5 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)
		Lead ⁽²⁾	0.1 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)
		Nickel ⁽²⁾	0.5 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)
		Mercury ⁽²⁾	5 µg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (i.e. EN ISO 17852, EN ISO 12846)
		Zinc ⁽²⁾	1 mg/l	Instantaneous (spot sample)	Monthly or prior to discharge	Various EN standards available (e.g., EN ISO 11885, EN ISO 17294-2, EN ISO 15586)

(1) The averaging periods are defined in the General considerations.

(2) The monitoring and BAT-AELs only applies when the substance concerned is identified as relevant in the wastewater inventory mentioned in BAT 3.

(3) Monitoring frequencies may be reduced if the emission levels are proven to be sufficiently stable.

Table S3.2 Ambient air monitoring requirements

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Processing and storage areas.	Particulate matter (Dust)	Continuous	Visual Assessment	Dust detection at site boundary

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	D1 Drain Discharge on site plan in schedule 7 emission to surface water	Every 6 months	1 January, 1 July
Ambient air monitoring Parameters as required by condition 3.5.	Site boundary	Every 6 months	1 January, 1 July

Parameter	Units
Wood Processed	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Other performance parameters	Annually	tonnes per production unit

Parameter	Reporting form	Form version number and date
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
Ambient air monitoring	Ambient Air Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

“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.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“emissions to land” includes emissions to groundwater.

“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.

“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.

“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.

“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.

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

“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 the Waste Framework Directive.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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.

Schedule 7 – Site Plan

