

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Esken Renewables Limited
Foundry Lane Biomass Processing Plant
Foundry Lane
Widnes
WA8 8UF

Variation application number

EPR/BP3632DM/V005

Permit number

EPR/BP3632DM

Foundry Lane Biomass Processing Plant

Permit number EPR/BP3632DM

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. Only the variations specified in schedule 1 are subject to a right of appeal.

Changes introduced by this variation notice:

This permit variation has been issued to implement the following guidance “Non-hazardous and inert waste: appropriate measures for permitted facilities” and to implement the relevant requirements Best Available Techniques (BAT) Conclusions set out in implementing decision (EU) 2018/1147 of 10 August 2018.

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision.

Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

The non-hazardous and inert waste: appropriate measures for permitted facilities guidance was published on the gov.uk website on 12 July 2021. This guidance sets out the standards that are relevant to regulated facilities with a permit to store, treat or transfer (or both) non-hazardous and inert wastes.

This variation has consolidated the original permit and subsequent variations.

Brief summary

The primary activity authorised by this permit falls under Section 5.4 Part A (1)(a)(iii) disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day within the category of pre-treatment of waste for incineration or co-incineration. The permit contains Directly Associated Activities but no other listed activities or additional waste operations.

The permit allows the treatment and storage of waste wood on an impermeable surface with sealed drainage. Unprocessed waste wood is stored externally in piles. Treatment activities including screening and shredding, and storage of processed waste wood are taking place within the site’s main building. All processed wood is destined for disposal at the Mersey Bioenergy Facility. The annual throughput of the biomass processing facility is less than 150,000 tonnes. The total storage capacity at the site is 14,500 tonnes at any one time.

The site is operational 24 hours a day with screening and shredding taking place between 06:00 and 00:00. The principal emissions from the site are dust and noise. There are two point source emissions - one for rainwater from the building roof only to Ditton Brook and the other for surface water runoff to sewer via a collection lagoon.

The site is adjacent to Ditton Brook and is located off Foundry Lane, Widnes. The site is within 50m of human receptors with residential properties approximately 200m away. The site is located about 500m north of the Mersey Estuary SSSI which is also a designated European site.

The operator has an up-to-date written management system that is periodically reviewed.

As part of this variation, the operator's registered name has been updated from Stobart Energy Limited to Esken Renewables Limited.

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/BP3632DM/A001	Duly made 26/10/16	Application for a section 5.4 Part A (1)(a)(iii) waste wood storage and treatment facility.
Response to Schedule 5 notice dated 11/01/17	20/01/17	Dust emissions. Surface water management. Best available techniques. Flood risk assessment.
	23/01/17	FPP – Pile size management video.
	03/02/17	FPP – Trigger temperatures.
	23/02/17	FPP – Additional information. Noise impact assessment.
	24/02/17	Dust suppression system video.
	10/03/17	FPP – Additional information – Firefighting Foam.
	20/04/17	FPP – Operational hours, site layout clarification.
	27/04/17	FPP – Pile sizes, water reduction calculations.
	05/05/17	Site plan with emission points.
	22/05/17	FPP – FPP annexes.
	26/05/17	FPP – Fire Prevention and Management Plan, version 7
	Permit determined EPR/BP3632DM (PAS Billing ref. BP3632DM)	30/05/17
Application EPR/BP3632DM/V002 (variation and consolidation)	Duly made 19/12/17	Application to update the Fire Prevention Plan and vary the permit accordingly.
Response to 1 st Schedule 5 Notice dated 22/03/18.	09/04/18	FPP – Updated operational documents.
	17/04/18	FPP - Records of temperature monitoring.
Response to 2 nd Schedule 5 Notice dated 15/05/18	18/05/18	FPP - Additional information - Fire-resistance-Legioblock, letter fire safety advice and Wood Storage Layout drawing.
	24/05/18	FPP – Additional information - Fire Prevention and Management Plan, version 9c, Walkover Inspection, CCTV Locations plan and Risk Assessment and Management Matrix.
	25/05/18	FPP – Additional information – Fire Response Action, issue and Site Walkover Inspection form.
Variation determined EPR/BP3632DM	29/05/18	Varied permit issued.

Status log of the permit		
Description	Date	Comments
(PAS Billing ref. CP3839JU)		
Variation Withdrawn EPR/BP3632DM/V003	15/10/19	Application deemed withdrawn
Notified of change of Company Name	06/04/20	Name changed to Stobart Energy Limited
Variation issued EPR/BP3632DM/V004	09/06/20	Varied permit issued to Stobart Energy Limited
Environment Agency Non-hazardous Waste Sector Review Variation number EPR/BP3632DM/V005 (variation and consolidation)	Duly Made 09/03/22	Non-hazardous waste Sector Review – documents received in response to the Regulation 61 Notice dated 08/11/2021. Name changed to Esken Renewables Limited
Additional information received in response to the Request for Further Information (RFI) dated 20/03/2023	03/04/23	Documents titled: <i>'Widnes WPF BAT Review Response Apr 2023'</i> provided in response to all questions. <i>'ERP 132 – Acceptance and Rejection of Unprocessed Waste Wood'</i> & <i>'ERI 113 – Inbound Material Inspection'</i> provided in response to question 1. <i>'Widnes – WPF Wood Storage Layout 18.05.18'</i> provided in response to question 7. <i>'Widnes WPF Lagoon Wastewater'</i> provided in response to question 2.
Variation determined and consolidation issued EPR/BP3632DM	27/06/23	Varied and consolidated permit issued in modern format.

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/BP3632DM

Issued to

Esken Renewables Limited (“the operator”)

whose registered office is

Third Floor

15 Stratford Place

London

W1C 1BE

company registration number 07042490

to operate a regulated facility at

Foundry Lane Biomass Processing Plant

Foundry Lane

Widnes

WA8 8UF

to the extent set out in the schedules.

The notice shall take effect from 27/06/2023

Name	Date
Vicky Patchett	27/06/2023

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions and tables were varied or added as a result of an Environment Agency initiated variation:

Conditions	Amendment
Condition 2.1.2	Deleted
Condition 2.3.6	Added
Condition 3.1.2	Added
Conditions 3.5.1 – 3.5.4	Added
Condition 3.6.1	Condition renumbered
Condition 4.2.2	Referenced tables amended to match schedule 4.
Condition 4.2.3	Added
Table S1.2 as referenced in condition 2.3.1	Operating techniques updated to include Regulation 61 response.
Table S1.3 as referenced in condition 2.4.1	Addition of IP6-IP9
Table S3.2 as referenced in condition 3.1.1	Emission limits and monitoring added in line with BAT
Table S4.1 as referenced in condition 4.2.3	Added
Table S4.2, 4.3, 4.4 as referenced in condition 4.2.2	Tables renumbered in line with addition of table S4.1
Schedule 5 as referenced in conditions 4.3.2 and 4.3.4 has been amended	A new paragraph (c) to Part A requiring notification of breach of permit conditions not relating to limits has been added.
Schedule 6	Updated

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BP3632DM

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BP3632DM/V005 authorising,

Esken Renewables Limited (“the operator”),

whose registered office is

**Third Floor
15 Stratford Place
London
W1C 1BE**

company registration number 07042490

to operate an installation at

**Foundry Lane Biomass Processing Plant
Foundry Lane
Widnes
WA8 8UF**

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

Name	Date
Vicky Patchett	27/06/2023

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 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”).

2.2 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.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

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

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

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1 and S3.2.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.2 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 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 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	S5.4 A (1)(a)(iii)	D9: Pre-treatment of waste for incineration or co-incineration	Physical treatment including manual and mechanical sorting/separation, screening, chipping, shredding and blending of non-hazardous waste for disposal. Treatment shall be carried out within a building. Waste types as specified in table S2.2.
Directly Associated Activities			
AR2	N/A	Temporary storage of non-hazardous waste prior to treatment D15: storage of non-hazardous waste	Storage of non-hazardous wood waste prior to treatment. Waste types as specified in table S2.2.
AR3	N/A	Storage of waste of waste after treatment	Storage of processed wood waste prior to despatch off site for disposal.
AR4	N/A	Rainwater from roof drainage discharged to surface water	Rainwater from roof drainage discharged to Ditton Brook.
AR5	N/A	Surface water from site drainage collected in lagoon to foul sewer	Collected surface water to pass through a lagoon then pumped to foul sewer.
AR6	N/A	Storage of raw materials including gas oil / diesel, lubrication and hydraulic oils	From receipt of raw materials to use within the facility.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/BP3632DM/A001	Table 3a – technical standards, Part B3 of the application form. Application Document – EPR Permit Application, ref. SOL1607SB01_WD, dated October 2016: - Section 3.3.1 Raw Materials – waste feedstock characteristics. Email dated 26/10/16 – Wood Specification.	Duly Made 26/10/16
Response to Schedule 5 Notice dated 23/11/16	Responses to questions 15-19 detailing dust emission management. Response to question 20 detailing surface water management. Response to question 21 detailing pre-acceptance procedures. Response to question 22 detailing quarantine procedures.	20/01/17
Response to Schedule 5 Notice dated 15/05/18	Approved Fire Prevention Plan consisting of the following documents: FPP – Summary report -fire-resistance-Legioblock.	18/05/18

Table S1.2 Operating techniques		
Description	Parts	Date Received
	FPP – Drawing titled Wood Processing Facility, Widnes, Wood Storage Layout dated Sept 17 drawing no. 01. FPP – Letter titled Widnes variation Sch 5 15.05.18.	
	FPP – BF 054 Fire Prevention and Management Plan, version 9c. FPP – BOP 028 Site Walkover Inspection, dated 16/05/18. FPP – drawing titled Wood Processing Facility, Widnes, CCTV Locations dated Sept 17 drawing no. 02. FPP – SEL Widnes WPF - FMP Risk Assessment and Management Matrix - v8.	24/05/18
	FPP – BGOI 009 – Fire Response Action, issue C, dated 24/05/18. FPP – BF 066 Site Walkover Inspection form.	25/05/18
Regulation 61 Notice Response EPR/BP3632DM/V005	Documents received in response to the Regulation 61 Notice and annex 1 spreadsheet titled ' <i>Annex 1 tranche 2 SEL Widnes WPF</i> ' dated 09/03/2022	09/03/2022
Additional information received in response to the Request for Further Information (RFI) dated 20/03/2023	Document titled ' <i>Esken Renewables - Response to Request for Further Information</i> ' received in response to the RFI including additional documents <i>'Widnes WPF Lagoon Wastewater'</i> <i>'Acceptance and Rejection of Waste Wood'</i> <i>'Inbound material inspection'</i>	03/04/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1	The operator shall submit a written report to the Environment Agency for approval. The report must demonstrate that the lagoon has been constructed to appropriate standards and sufficient maintenance measures are in place to prevent any underlying contamination from migrating into the contents of the lagoon. The report shall also detail any findings and recommendations and outline time scales for improvements. Any improvements or recommendations made by the report shall be implemented as approved, and within the dates agreed by the Environment Agency.	Complete
IP2	The operator shall install a noise barrier and extend the south west perimeter noise bund as per the specification in section 7.0 of Environmental Noise Impact Assessment ref. P1706-REP01-SJF dated 10 January 2017.	Complete
IP3	The operator shall submit a written report to the Environment Agency for approval. The report must provide evidence from independent noise monitoring undertaken in line with the requirement of our guidance to validate the conclusions from the Environmental Noise Impact Assessment ref. P1706-REP01-SJF dated 10 January 2017. The report shall also detail any findings and recommendations and outline time scales for improvements. Any improvements or recommendations made by the report shall be implemented as approved, and within the dates agreed by the Environment Agency.	Complete
IP4	The operator shall submit a written plan which contains details of the thermal imaging camera and associated fire alert system to the Environment Agency for approval. This plan shall include the location of	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>the camera, its specification, it's timescale for installation and its maintenance, testing and inspection regime.</p> <p>Once approved in writing by the Environment Agency, the plan shall be implemented and form part of the Operating Techniques specified in table S1.2 of this permit.</p>	
IP5	<p>The operator shall install a thermal imaging camera and associated fire alert system in accordance with the plan agreed in IP4.</p> <p>Written confirmation of the completed installation shall be given to the Environment Agency.</p>	Complete
IP6	<p>The operator shall carry out survey of the site drainage infrastructure and submit an annotated drainage drawing (drawn to appropriate scale) to the Environment Agency for approval. The operator shall submit a written report which contains details of the survey undertaken to ascertain the drainage routes for the contaminated and uncontaminated waters and discharge point for the uncontaminated waters on site.</p>	27/12/23
IP7	<p>The operator shall submit a plan to the Environment Agency for approval. The plan should include proposals for the implementation of techniques for the capture and re-use of uncontaminated waters on site. The plan should include but not be limited to:</p> <ul style="list-style-type: none"> • timescales for any improvement works associated with the techniques for the water capture. • A water save plan in line with the Non-hazardous and inert waste: appropriate measures. • Water efficiency objectives. <p>The operator shall implement any improvement within the timescale agreed with the Environment Agency.</p>	27/09/23
IP8	<p>The operator shall submit a revised Dust Management Plan (DMP) to the Environment Agency for approval.</p> <p>The revised DMP shall include a review of the:</p> <ul style="list-style-type: none"> • waste storage and handling procedures for the site. • loading, unloading and material handling procedures. • General housekeeping measures. <p>The DMP shall take into account the appropriate measures for dust control specified in the Non-hazardous and inert waste: appropriate measures for permitted facilities guidance and Control and monitor emissions for your environmental permit.</p> <p>Once the DMP is approved by the Environment Agency, the operator shall carry out site operations in accordance with the approved DMP.</p>	27/09/23
IP9	<p>The operator shall carry out a detailed review of the existing buildings including waste treatment, storage and handling equipment at the site to ensure that they are in accordance with the requirements specified in the <u>Non-hazardous and inert waste: appropriate measures for permitted facilities</u> guidance and BAT 14 of the <u>Waste Treatment BAT Conclusions</u>.</p> <p>Following the review, the operator shall submit a written report to the Environment Agency for approval outlining the results of the review and measures and procedures that are in place in the buildings and outside of the buildings to prevent and/or reduce fugitive emissions of dust.</p> <p>The report shall include recommendations for improvements and timescales for implementation of the identified improvements. The improvements shall include but not limited to:</p> <ul style="list-style-type: none"> • Building enclosure. • Addition of roller doors. 	27/12/23

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> • Installation of dust suppression systems. • General management practices and re-location equipment within the building. 	
IP10	Following the completion of IP9, the operator shall implement any improvements by the deadline specified in this improvement condition unless otherwise agreed in writing with the Environment Agency.	27/03/24
IP11	The operator shall submit a written decommissioning plan to the Environment Agency. The decommissioning plan shall take into account the appropriate measures specified in the Non-hazardous and inert waste: appropriate measures for permitted facilities guidance.	27/09/23

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas, oil, diesel, lubrication and hydraulic oils	-

Table S2.2 Permitted waste types and quantities for activities AR1, AR2 and AR3 – Wood treatment and storage	
Maximum quantity	The total quantity of waste to be accepted on site shall be less than 150,000 tonnes per annum. The total quantity of waste to be stored on site shall be less than 14,500 tonnes at any one time.
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	straw, wood and bark only
02 01 07	wood and bark
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
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, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
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
17 09	other construction and demolition waste
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 (wood only)

Table S2.2 Permitted waste types and quantities for activities AR1, AR2 and AR3 – Wood treatment and storage	
Maximum quantity	The total quantity of waste to be accepted on site shall be less than 150,000 tonnes per annum. The total quantity of waste to be stored on site shall be less than 14,500 tonnes at any one 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	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
20 02	garden and park wastes (including cemetery waste)
20 02 01	wood and bark only

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)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 – Roof Drainage on site plan in schedule 7 emission to Ditton Brook	Rainwater from roof drainage	No parameters set	No limit set	--	--	--

Table S3.2 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) ⁽¹⁾	Reference period	Monitoring frequency	Monitoring standard or method
S1 – Surface Water Drainage On Site Sampling Point as shown on the site plan in schedule 7	Collected surface water from site drainage	Adsorbable organically bound halogens (AOX) ⁽²⁾	1mg/l	Spot	Daily or prior to discharge	EN ISO 9562
		Free cyanide (CN-) ⁽²⁾	0.1 mg/l			Various EN standards available (i.e. EN ISO 14403-1 and -2)
		Hydrocarbon oil index (HOI)	10 mg/l			EN ISO 9377-2
		Arsenic	0.1 mg/l		Monthly or prior to discharge	Various EN standards available (e.g. EN ISO 11885, EN ISO 17294-2, EN ISO 15586)
		Cadmium	0.1 mg/l			
		Chromium	0.3 mg/l			
		Copper	0.5 mg/l			
		Lead	0.3 mg/l			
		Nickel	1 mg/l			
		Mercury	10 µg/l			
		Zinc	2 mg/l		Various EN standards available (e.g. EN ISO 11885, EN ISO 17294-2, EN ISO 15586)	

(1) The BAT-AELs may not apply if the downstream waste water treatment plant abates the pollutants concerned, provided this does not lead to a higher level of pollution in the environment.
(2) The BAT-AELs only apply when the substance concerned is identified as relevant in the waste water inventory mentioned in BAT 3.

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 sewer Parameters as required by condition 3.5.1	S1– Manhole Discharge Location into UU sewer as shown on the site plan in schedule 7	Every 12 months	1 January

Table S4.2 Annual production/treatment	
Parameter	Units
Wood processed	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Point source emissions to sewer	Emissions to Sewer Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Annual production/treatment	Electronic format as agreed in writing by the Environment Agency	--
Water usage	Electronic format as agreed in writing by the Environment Agency	--
Energy usage	Electronic format as agreed in writing by the Environment Agency	--
Other performance indicators	Electronic format as agreed in writing by the Environment Agency	--

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.

“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 or background concentration 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.

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

“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, as amended from time to time.

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

“pests” means birds, vermin and insects.

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

“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.

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 S2.2, 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.

“partly stabilised wastes” means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

“PCBs” means

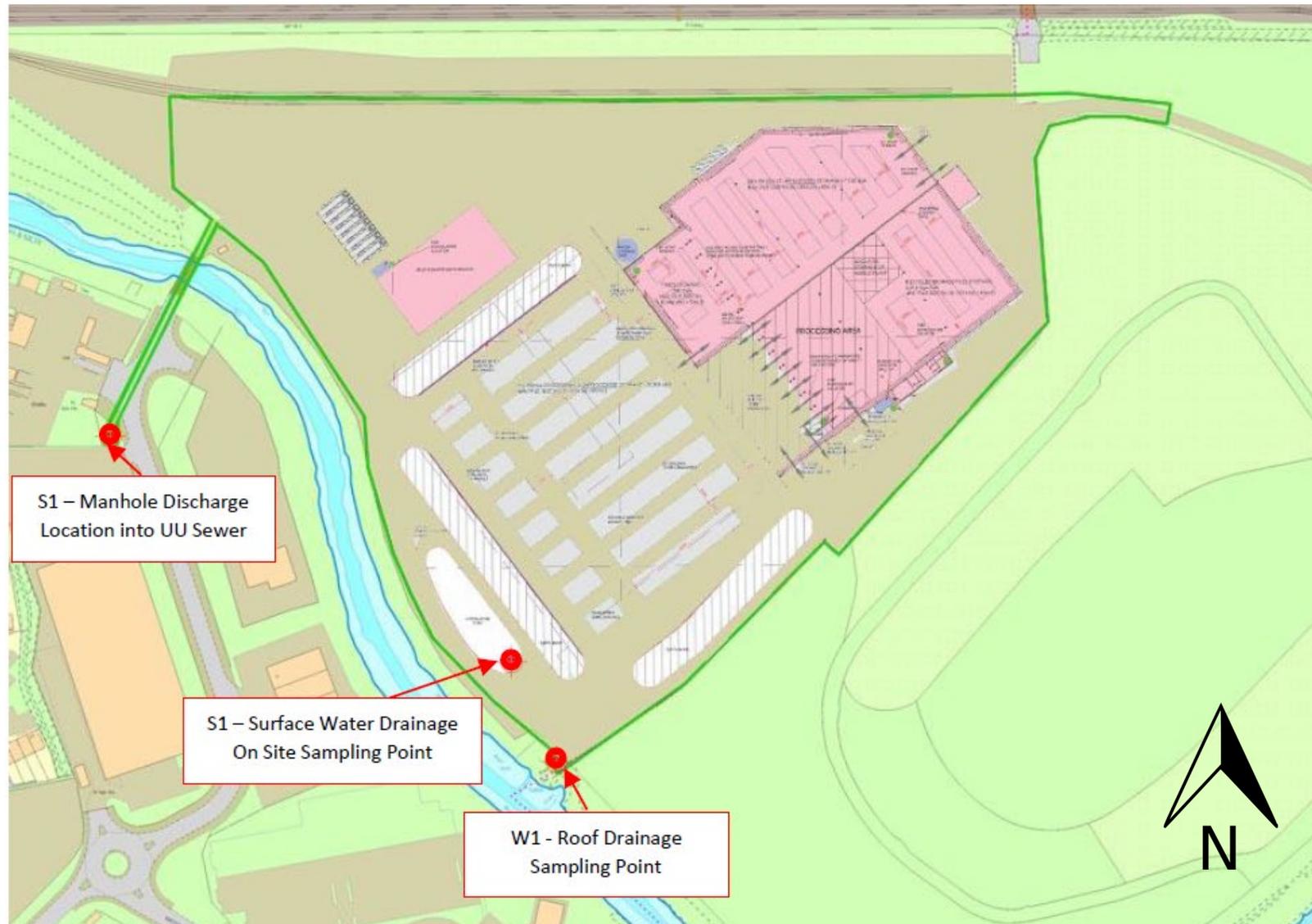
- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight.

“solidification” means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste.

“stabilisation” means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste.

“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



END OF PERMIT