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Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dragon Fruit Holdings Limited

**Parc Busnes Edwards Biomass Boiler
Parc Busnes Edwards
Llantrisant
Pontyclun
CF72 8QZ**

Permit number

PAN-005576

Parc Busnes Edwards Biomass Boiler

Permit number PAN-005576

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The permit regulates three bespoke new Medium Combustion Plants (MCPs) in accordance with the MCP Directive. The regulated activity is to operate three virgin woodchip fuelled biomass boilers within Edwards Business Park. The activity comprises of a Schedule 25A (Medium Combustion Plant) activity - listed under the Environmental Permitting (England and Wales) Regulations 2016 (as amended 2019). The generating plant comprises 2No. 1.2 MWth input WK RRK 1000 Binder boilers and 1No. 1.2 MWth input Hargassner Magno-SR 1200 boiler housed within a building, which will provide heat to the Edwards Business Park. Each biomass boiler discharges emissions to air each via three separate 9 metre stacks. The facility will also have a virgin wood chip storage area; however, this is not regulated by this permit.

There are two Sites of Special Scientific Interest (SSSIs) within 5 km of the site (Llantrisant Commons SSSI and Rhos Tonyrefail SSSI) and one Natura 2000 site within 10 km of the facility (Cardiff Beech Woods Special Area of Conservation).

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 PAN-005576	Duly made 10/07/2019	Application for new Medium Combustion Plant permit.
Further information requested	24/07/2019	Further information sought regarding air quality assessment.
Further information received	05/08/2019	
Permit determined	01/10/2019	Permit issued to Dragon Fruit Holdings Limited.
Variation application PAN-005576/V002	Duly made 22/09/2021	Variation to change the number and type of biomass boilers
Variation determined PAN-005576/V002	29/09/2021	Varied permit issued to Operator.
Variation application PAN-005576/V003	Duly Made 06/02/2023	Variation to add an additional biomass boiler.
Variation determined PAN-005576/V003	27/02/2023	Varied permit issued to operator

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
PAN-005576

This is the consolidated permit referred to in the variation and consolidation notice for application PAN-005576/V003 authorising

Dragon Fruit Holdings Limited (“the operator”),
whose registered office address is

The Courtyard
Parc Busnes Edwards
Llantrisant
Pontyclun
Wales
CF72 8QZ

company registration number **10012716**

to operate one or more Medium Combustion Plant at

Parc Busnes Edwards
Llantrisant
Pontyclun
Wales
CF72 8QZ

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

Signed	Date
John Wheadon – Permitting Service Manager	27/02/2023

Authorised on behalf of Natural Resources Wales

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, so far as is reasonably practicable, 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.

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 No MCP shall be operated beyond the site of the grid reference specified for it in schedule 1, table S1.1 of the permit.

2.3 Operating techniques

- 2.3.1 The activities shall be operated using the techniques and, in the manner, described in schedule 1, table S1.2A.

3 Emissions and monitoring

3.1 Emissions to air

- 3.1.1 There shall be no point source emissions to air except from the sources and emission points listed in schedule 3, table S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Monitoring

- 3.2.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit, or at a greater frequency if notified to the operator in writing by Natural Resources Wales:
- (a) point source emissions specified in table S3.1
- 3.2.2 Monitoring shall not take place during periods of start up or shut down.

- 3.2.3 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.
- 3.2.4 The operator shall maintain records of all monitoring including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, test and surveys and any assessment or evaluation made on the basis of such data.
- 3.2.5 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.2.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.

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 Natural Resources Wales, for at least 6 years from the date when the records were made.
- 4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plans and management system required to be maintained by this permit.
- 4.1.3 The operator shall maintain a record of the type and quantity of fuel used and the total annual hours of operation for each MCP.
- 4.1.4 The operator shall maintain a record of any events of non-compliance and the measures taken to ensure compliance is restored in the shortest possible time

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by Natural Resources Wales, 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 S4.2; and
 - (c) giving the information from such results as required by the forms specified in those tables.

4.3 Notifications

- 4.3.1 In the event:
- (a) of a breach of any of the permit conditions the operator must immediately—
 - (i) inform Natural Resources Wales, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

- (b) of a breach of any of the permit conditions which causes a significant degradation of local air quality, the operator must immediately suspend the operation of the activities or the relevant part of them until compliance with the 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 Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 Natural Resources Wales 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:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (e) the death of any of the named operators (where the operator consists of more than one named individual);
 - (f) any change in the operator's name(s) or address(es); and
 - (g) 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.

4.4 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

National Grid Reference and or activity reference/ emission point	Activity listed in the EP Regulations	Description of Medium Combustion Plant	Fuel	Operating hours limit per annum
Activity reference AR1 NGR: ST 03716 84396	Schedule 25A – Medium Combustion Plant	1x 1.2 MWth input boiler as detailed in Schedule 7	Virgin wood-chip	Not limited
Emission Point A1				
Activity reference AR2 NGR: ST 03711 84393	Schedule 25A – Medium Combustion Plant	1x 1.2 MWth input boiler as detailed in Schedule 7	Virgin wood-chip	Not limited
Emission Point A2				
Activity reference AR3 NGR: ST 03708 84394	Schedule 25A – Medium Combustion Plant	1x 1.2 MWth input boiler as detailed in Schedule 7	Virgin wood-chip	Not limited
Emission Point A3				

Table S1.2A Operating techniques for Medium Combustion Plant as detailed in Schedule 7

Description
Each MCP must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this
The operator must keep periods of start-up and shut-down of each MCP as short as possible
There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993

Schedule 2 – Waste types, raw materials and fuels

This schedule is not used.

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point as referred to in table S1.1	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method ^{Note 1}
A1 NGR: ST 03713 84398	Biomass Boiler 1 – Activity reference AR1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/Nm ³	Periodic	Every 3 years	BS EN 14792
		Dust	50 mg/Nm ³	Periodic		BS EN 13284-1
		Carbon monoxide	No limit set	Periodic		BS EN 15058
A2 NGR: ST 03709 84395	Biomass Boiler 1 – Activity reference AR2	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/Nm ³	Periodic	Every 3 years	BS EN 14792
		Dust	50 mg/Nm ³	Periodic		BS EN 13284-1
		Carbon monoxide	No limit set	Periodic		BS EN 15058
A3 NGR: ST 3708 84394	Biomass Boiler 1 – Activity reference AR3	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/Nm ³	Periodic	Every 3 years	BS EN 14792
		Dust	50 mg/Nm ³	Periodic		BS EN 13284-1
		Carbon monoxide	No limit set	Periodic		BS EN 15058

Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O₂ content of 6 % for solid fuels, 15 % for engines and gas turbines and 3 % all other MCPs

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 point	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.2.1.	A1, A2, A3	Every 3 years	1 January

Table S4.2 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	27/02/2023

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	PAN-005576
Name of operator	Dragon Fruit Holdings Limited
Location of Facility	Parc Busnes Edwards, Llantrisant, Pontyclun, CF72 8QZ
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	

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

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

“authorised officer” means any person authorised by Natural Resources Wales 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.

“combined heat and power” (CHP) or Cogeneration means the simultaneous generation in one process of thermal energy and electrical or mechanical energy.

“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.

“first put into operation” means that the plant must have been fired with its design fuel up to its full load. This can be, but does not have to be, during commissioning.

“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.

“new MCP” means an MCP first put into operation on or after 20/12/2018.

“operating hours” means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods.

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

“year” means calendar year ending 31 December.

Schedule 7 – Annex I of MCPD

1. Rated thermal input (MW) of the medium combustion plant.	3x 1.2 MWth boilers (AR1, AR2 and AR3)
2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).	Other medium combustion plant
3. Type and share of fuels used according to the fuel categories laid down in Annex II.	Solid biomass 100 %
4. Date of the start of the operation of the medium combustion plant or, where the exact date of the start of the operation is unknown, proof of the fact that the operation started before 20 December 2018.	After 20 December 2018
5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code).	L68.2.0
6. Expected number of annual operating hours of the medium combustion plant and average load in use.	8760 hours, 93.6 %
7. Where the option of exemption under Article 6(3) or Article 6(8) is used, a declaration signed by the operator that the medium combustion plant will not be operated more than the number of hours referred to in those paragraphs.	N/A
8. Name and registered office of the operator and, in the case of stationary medium combustion plants, the address where the plant is located.	Dragon Fruit Holdings Limited The Courtyard Parc Busnes Edwards Llantrisant Pontyclun Wales CF72 8QZ

END OF PERMIT