



Environmental Permit

Pollution Prevention and Control Act 1999
Environmental Permitting (England and Wales) Regulations 2016

Spacestor
Noble House
Eaton Road
Hemel Hempstead
Hertfordshire
HP2 7UB

Regulated activity:

Working of timber and manufacture of wood-based products (with waste wood combustion)

Permit Number:

DBC/EP/49/V2

Permit Issued by:

Environmental and Community Protection
Environmental Health
Dacorum Borough Council
The Forum
Marlowes
Hemel Hempstead
Hertfordshire
HP1 1DN

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The address for all correspondence in relation to this permit

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Schedules:

Schedule A: Installation Location and Site Layout

Permit Status Log

Detail	Date	Comment
Application received	9 June 2014	Duly Made
Draft EPR Permit	30 September 2014	PG 6/02(12) Permit
Final EPR Permit	3 October 2014	Permit issued
Draft Permit Variation	12 December 2017	To include additional burner
Final Permit	03 April 2018	Permit issued

INTRODUCTORY NOTE

This introductory note does not form a part of the Permit

The following permit is issued under Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016 (S.I. 2016 No. 1154) to operate an installation carrying out one or more of the activities listed in Schedule 14 to those Regulations, to the extent authorised by the permit.

The permit includes conditions that must be complied with.

Brief description of the installation regulated by this permit

The raw material for the process consists of mainly chipboard. The board is machined using a range of bespoke machinery generating particle wood waste. Off-cuts from the process are granulated using a purpose made granulator or Hogger. The wood waste is extracted from the woodworking machines and Hogger via a ductwork system and blown into filter chambers. The particle matter is separated and moved into the inlet of a transfer fan and the clean air is returned to the external atmosphere. The transfer fan transfers the material to one of two 28m³ storage silos where a further filter chamber on top of the silo removes the particle matter from the transfer stream and the filtered air stream is returned to the external atmosphere. The filter elements are cleaned by an automatic filter regeneration process on shutdown. The silos act as fuel stores for the wood waste.

The wood waste is transferred via a series of rotary valves and screw conveyors from the storage silos into the heaters to provide a uniform feed rate and safeguard against back-burn.

The wood waste is combusted in one of two heaters; A 300kw appliance (installed March 2013) and a 350kw appliance (installed March 2017). Flue gases are ducted through either a cyclone cleaner or a ceramic filter to remove particulate. The cleaned combustion gases are then discharged to the external atmosphere via insulated flues.

The heat generated by the wood waste combustion is used to provide water and space heating on site.

General Principles

The Local Authority Pollution Prevention and Control (LAPPC) regime is concerned with preventing, or where that is not practicable, reducing emissions into the air (Regulation 35 Schedule 8(3)). This is achieved by, among other things, requiring operators to use the best available techniques (BAT). This, together with a consideration of local circumstances, provides the main basis for setting emission limit values and operational controls.

Confidentiality

The permit requires the operator to provide information to Dacorum Borough Council. The Council will place the information onto the public registers in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 (the 'Regulations'). If the operator considers that any information provided is commercially confidential, it may apply to the Council to have such information withheld from the register as provided in the Regulations. To enable the Council to determine whether the information is commercially confidential, the operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This permit may be varied in the future. If at any time the activity or any aspect of the activity regulated by the following conditions changes such that the conditions no longer reflect the activity and require alteration, the Council shall be contacted.

Surrender of the permit

Where an operator intends to cease the operation of an installation (in whole or in part), the regulator should be informed in writing. Such notification must include the information specified in regulation 24(3) of the Regulations.

Transfer of the permit or part of the permit

Before the permit can be wholly or partially transferred to another person, an application to transfer the permit has to be made, in accordance with Regulation 21 of the Regulations. A transfer will be allowed unless the Council considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred permit.

Responsibility under workplace health and safety legislation

This permit is given in relation to the requirements of the Environmental Permitting (England and Wales) Regulations 2016. It must not be taken to replace any responsibilities you may have under Workplace Health and Safety legislation.

Appeal against permit conditions

Anyone who is aggrieved by the conditions attached to a permit can appeal to the Secretary of State. Appeals must be made in accordance with the requirements of Regulation 31 and Schedule 6 of the Regulations. Appeals should be received by the Secretary of State at the following address:

The Planning Inspectorate
Environment Team, Major & Specialist Casework
Room 4/04 Kite Wing
Temple Quay House
2 The Square
Temple Quay
Bristol BS1 6PN

Please Note: An appeal brought under Regulation 31 in relation to the conditions in a permit will not suspend the effect of the conditions appealed against; the conditions must still be complied with. In determining an appeal against one or more conditions, the Act also allows the Secretary of State to quash any of the other conditions not subject to the appeal and to direct the local authority either to vary any of these other conditions or to add new conditions.

References

1. Process Guidance Note 6/02 (12): Statutory Guidance for the working of timber and manufacturing of wood-based products; Department for Environment Food and Rural Affairs; September 2013.
2. Environmental Permitting General Guidance Manual on Policy and Procedures for A2 and B Installations; Department for Environment Food and Rural Affairs; Revised April 2012.
3. Environmental Permitting (England and Wales) Regulations 2016, Statutory Instrument 2016 No. 1154.

End of introductory note

**DACORUM BOROUGH COUNCIL
POLLUTION PREVENTION AND CONTROL ACT 1999
Environmental Permitting Regulations 2016**

Permit Reference Number: DBC/EP/49/V2

Name and address of operator: Trieste Group Partners LLP trading as Spacestor
(“the operator”)
Noble House
Eaton Road
Hemel Hempstead
Hertfordshire
HP2 7UB

Registered office of company: Spacestor
Noble House
Eaton Road
Hemel Hempstead
Hertfordshire
HP2 7UB

Company Registration Number: OC373388

Address of Permitted Installation: Spacestor
Noble House
Eaton Road
Hemel Hempstead
Hertfordshire
HP2 7UB

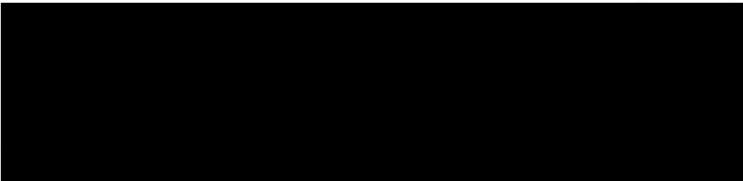
The Operator is permitted to carry out the following activity:

The manufacture of timber and wood-based products, in which they are sawn, drilled, sanded, turned or planed, if the throughput of the works in any period of 12 months is likely to be 1,000m³ or more. The manufacturing process is undertaken in conjunction with the combustion of the wood waste in two appliances with net rated thermal input of less than 0.4MW.

The above named operator is authorised to operate the activity listed in Section 6.6, Part B(a) (ii) in Part 2 of Schedule 1 to the Environmental Permitting (England and Wales) Regulations 2010 at the above installation, *WID*, subject to the following conditions.

Date:

03 April 2018


**Environmental and Community Protection
On behalf of Dacorum Borough Council**

Conditions

Emissions and monitoring

1. No visible particulate matter shall be emitted beyond the installation boundary.
2. The emission requirements and methods and frequency of monitoring set out in Table 1 shall be complied with. Sampling shall be representative.

Any monitoring display required for compliance with the permit shall be visible to operating staff at all times. Corrective action shall be taken immediately if any periodic monitoring result exceeds a limit in Table 1, or if there is a malfunction or breakdown of any equipment which might increase emissions. Monitoring shall be undertaken or repeated as soon as possible thereafter and a brief record shall be kept of the main actions taken.

3. All plant and equipment capable of causing, or preventing, emissions and all monitoring devices shall be calibrated and maintained in accordance with the manufacturer's instructions. *Records shall be kept of such maintenance.*

Silos

4. Wood dust shall only be stored within the wood dust silos.
5. Dust emissions from loading or unloading vehicles shall be minimised by venting to bag filters and by connecting transfer lines first to the delivery inlet point and then to the discharge point, and by ensuring delivery is at a rate which does not pressurise the silo.
6. Silos and bulk containers of dusty materials shall not be overfilled and there shall be an overfilling alarm.
7. Displaced air from pneumatic transfer shall pass through abatement plant prior to emission to air.

Storage of materials

8. Dusty materials (including dusty wastes) shall only be stored in the silo situated outside the building as detailed on the Site Layout Plan attached to this permit and shall be subject to suppression and management techniques to minimise dust emissions.

Belt conveying

9. All dusty materials, including wastes, shall be conveyed using a screw conveyor. All transfer points shall be fitted with enclosed.

Loading, unloading and transport

10. The transportation and handling of wood dust and wood particles shall be carried out using pneumatic or enclosed handling systems.
11. When wood dust is moved using site transport, it shall be held in enclosed containers.

12. No potentially dusty materials (including wastes) shall leave the site other than by use of covered containers.

Arrestment Equipment

13. Replace all filter media every 4 years.

Techniques to control fugitive emissions

14. The fabric of process buildings shall be maintained so as to minimise visible dust emissions.

Records and training

15. Written or computer records of all tests and monitoring shall be kept by the operator for at least 24 months. They (and a copy of all manufacturer's instructions referred to in this permit) shall be made available for examination by the Council. *Records shall be kept of operator inspections, including those for visible and odourous emissions.*
16. Staff at all levels shall receive the necessary training and instruction to enable them to comply with the conditions of the permit. Records shall be kept of relevant training undertaken.

Best available techniques

17. The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspects of the operation of the installation which is not regulated by any other condition of this permit.
18. If the operator proposes to make a change in operation for the installation, he must, at least 14 days before making the change, notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change in operation' means a change in the nature or functioning, or an extension of the installation which may have consequences for the environment.

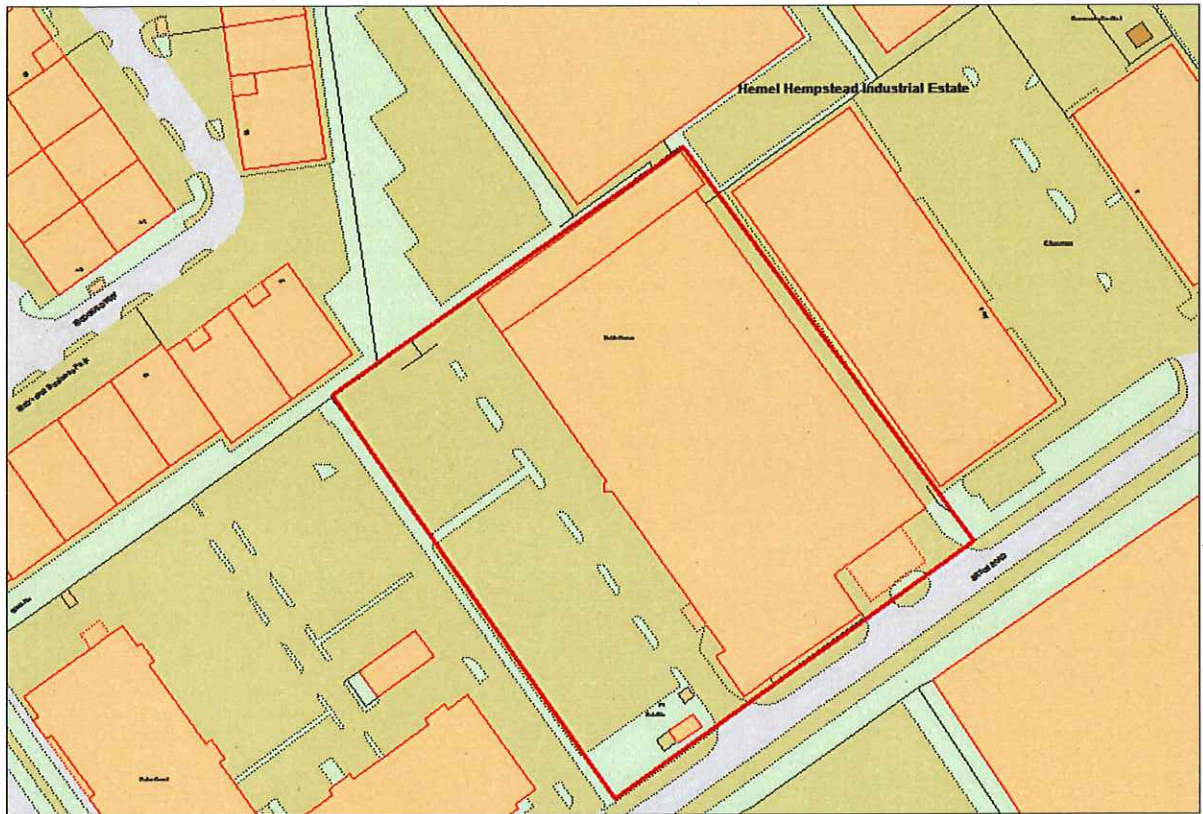
End of Conditions

Table 1 – Emission limits, monitoring and other provisions					
Row	Substance	Source (see also Note E)	Emission limits / provisions	Type of monitoring	Monitoring frequency
1	Particulate matter	Whole site	No visible emission	Visual observations Particular attention should be paid to areas where vehicles are filled with wood waste and wood dust	On start-up and on at least two more occasions during the working day
2	Particulate matter	Arrestment plant (not cyclones) designed with exhaust flow rate >300m ³ /min	No visible emission	Visual observations	On start-up and on at least two more occasions during the working day
3	Particulate matter	Arrestment plant (not cyclones) designed with exhaust flow rate <300m ³ /min	No visible emission	Visual observations	At least daily
4	Particulate matter	Cyclones	No visible emission	Continuous indicative monitoring devices with visual and audible alarms which activate cyclone malfunction and which indicate e.g. blockages (data logging should not normally be necessary)	Continuous to show arrestment equipment is functioning correctly
5	Particulate matter	Combustion processes (see also Note D)	No visible smoke and must not exceed Ringlemann Shade 1 as described in British Standard BS 2742.	Visual observations	On start-up and on at least two more occasions during the working day

Notes:
 *All periodic monitoring results shall be checked by the operator on receipt and sent to the Council within 8 weeks of the monitoring being undertaken.
 A) All periodic monitoring shall be over a period that shall be representative and shall use standard methods.
 B) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.
 C) Row 5 does not apply to any combustion process using fuel manufactured from waste in appliances with a net rated thermal input greater than 0.4MW – the provisions of PG Note 1/12 applies.
 D) Where the plant is discharging to the external atmosphere.

**SCHEDULE A:
INSTALLATION LOCATION AND SITE LAYOUT**

Installation Location:



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Site Layout:

