

TIMBER PROCESSING PROCEDURE & ENVIRONMENTAL MANAGEMENT PLAN

1. Virgin timber is sourced from Robinsons Timber who are registered and on the Biomass Suppliers List (BSL).

The Biomass Suppliers List (BSL) is a list of woodfuel that has proven it meets the eligibility requirements for the Renewable Heat Incentive (RHI) scheme. It allows RHI participants to easily demonstrate to Ofgem that the fuel they are using in their biomass boilers meets the RHI sustainability criteria required to claim their RHI payments.

The wood arrives in site in 3-4 meter lengths in quantities of approximately 25 tonne loads. The wood is stored externally in area 1. As donated on the attached site plan.

2. The 3-4 meter lengths are picked up with a forklift and placed onto the 'Farmi Wood Processor' where the wood is sawn into 6 inch lengths and then split into quarters from a hydraulic ram pushing the wood against a knife.

When the wood is sawn, saw dust from the cutting process is captured in large plastic container which is shown in the attached photographs. The sawdust from this container is emptied by hand large feed bags and transported by forklift into the dry store area denoted 3 on the attached site plan. The dust is used for animal bedding.

The entire cutting process and the dry storage is within the farm building, therefore wind does not blow particulates around.

3. At present, once the wood is cut into 6 inch lengths, the wood is placed into 6" x 4" potato boxes and left to naturally dry in the dry store area denoted 3 on the site map.

However, a new proposal is to kiln dry the product following the cutting process. Here the cut wood will be placed into containers and placed in a 'GlenFarrow GF210 Biomass Boiler' and dried until the moisture content in the wood is 20%.

The boiler will be fuelled by the seasoned virgin timber produced on site only, this will ensure stack emissions are reduced and should ensure smoke does not breach Ringleman shade 1.

The boiler will be installed through the Governments Renewable Heating Incentive scheme (RHI) and the heat produced will be used to heat the kilns but also to provide heat to the farmhouse too.

4. When the wood has been through the kiln drying process it is stored in the dry wood storage area denoted as 3 on the site plan and sold to the public as kiln dried wood for use in household wood burning appliances.