



## **Wood Energy Ltd – Poultry Litter Frequently Asked Questions**

Here are the answers to our most commonly asked questions in relation to the burning of poultry derived litter when used as a biomass fuel. Please call or email if you can't find the specific answer you are looking for.

### **Can we burn chicken litter on our poultry farm?**

Yes. Burning Poultry Litter is no-longer considered to be a waste incineration process and is now classified as a combustion activity. You can download our brochure by visiting; <http://www.woodenergy.com/media/139985/binder-heating-with-chicken-litter.pdf>

### **What type of permit do we need to burn chicken litter?**

All Poultry litter combustion plants require approval from the Animal and Plant Health Agency (formerly the AHVLA). It is also likely that the farm IPPC permit will need to be varied, which is a requirement for all biomass boiler installations. However the permitting requirement can be site specific – we can help with this process. Please call us for further advice and support.

### **What are the benefits of burning litter?**

- Energy Security
- Protection from future fuel cost inflation
- Security from fluctuating fuel prices
- No more fossil fuel deliveries

### **Additional revenue**

- Poultry litter combustion systems producing heat only can qualify for the Renewable Heat Incentive
- Ash from poultry litter is a valuable fertilizer

### **Bird Welfare**

- Indirect heating systems produce a dry heat, resulting in a lower moisture level in poultry sheds.
- Improved crop performance – dryer litter has significant impact on bird welfare and crop performance
- Eliminating the CO<sub>2</sub> in sheds that is inherent with gas heating

### **Environmental**

- Burning poultry litter is carbon neutral
- Helps reduce the Carbon Footprint of a farm
- No LPG deliveries

**What is the moisture content of chicken litter?**

Poultry litter will typically vary from 20% to 55% moisture content.

**What is the calorific value of chicken litter?**

3.2 kWh per Kilogram at 26% moisture content, almost as calorific as wood chips.

**What moisture content should chicken litter be in order for it to burn?**

The lower the moisture content the better!

**Can we burn chicken litter in our existing biomass boiler?**

This is not possible, the physical characteristics of litter and the permit specification require a boiler and installation which has been specifically designed for the purpose. In addition, poultry litter boilers require a three stage combustion process to maintain the combustion temperature and thereby reduce damage to the boiler and unwanted emissions.

**What is the typical payback on a biomass installation burning chicken litter?**

Less than 5 years

**Call Wood Energy Ltd on; 0845 070 7338 or email [sales@woodenergy.com](mailto:sales@woodenergy.com)**