



British Poultry Farmers leading the way with Manure 2 Energy

From July 15th 2014, the first UK approval for use of unprocessed poultry manure as a fuel in combustion will take effect at Uphouse Farm, Norfolk, as the implementation rules 142/2011 come into law under EU regulation 1069/2009. Uphouse Farm has achieved this status through the successful development of rules and operation of their approved plant.

Nigel & Patrick Joice of Uphouse farm have reached this landmark position through the permitting of bhs1 FBC system, as the only conditionally approved system under the new rules which has now been fully authorised by the implementing body, the AHVLA.

bhs1, (www.bhs1.com) an entrepreneurial Agri-Tech company, was the technical lead who collaborated with Uphouse Farm and a number of institutions including DEFRA, the Environment Agency, AHVLA and the Directorates for Health and Environment in Brussels, on an ambitious journey which ultimately delivered the new implementation rules.

The bhs1 technology is the only approved system permitted for use under the new rules. The bhs1 FBC system was used to test and verify the implementing rules for the complete manure combustion process – this included manure handling, storage, combustion, emissions management and ash management. The process is patented across the 28 EU Member states.



The full legal requirements can be found in Annex III Chapters of IV and V of EU Regulation No. 142/2011 (as amended by EU Regulation No. 592/2014).

Compliance by intended on-farm operators with EU standards and requirements is essential to permit continued lawful operation of poultry manure as a fuel. Operation without a process-compliant unit and approval is unlawful.

In addition the economic benefits have been transformational. Poultry manure has replaced over 90% of the LPG previously used and a handsome RHI payment is also received. However the most significant factor is an increase in bird performance, which is achieved primarily by controlling the house humidity with abundant heat. Nigel Joice, owner of Uphouse Farm says *"The availability of abundant heat produced with our own fuel has transformed our poultry house management philosophy and is delivering phenomenal results"*

The Poultry Industry as a whole has responded enthusiastically to this revolutionary technology. bhs1 is currently engaged with the major integrators alongside a rapidly growing pipeline of poultry growers across the UK, who are keen to take advantage of this once-in-a-generation productivity boost in the industry.

bhs1 is now on target to deliver commercial solutions for poultry growers across the globe. Sean Fitzpatrick, Commercial Director says, 'Our system has been put through a rigorous regulatory and technical proving process and we are now ready to deliver solutions on farms across the UK and the EU to allow farmers to run more sustainable and profitable businesses.'

bhs1 will be conducting a series of informational seminars in the UK in the autumn beginning with "Poultry Manure as a fuel – the Implementing Rules" in Stratford-upon-Avon in early September 2014. To receive an invitation please email seminars@bhs1.com.

Tel: 0844 544 7727

www.bhs1.com