

## **Non-Technical Summary Gulham Fields Farm**

Gulham Fields Farm poultry operations is expanding to eight fan ventilated poultry houses. Increasing bird places to 400,000. Additional ground to be included in the installation boundary. Other changes to the installation include addition of Closed Loop GHS heating system, wheel wash, carcass store and removal of biomass boilers.

The poultry houses will be constructed to BAT.

Birds will be housed at day old and de populated at around 40 days of age with approximately 7 days empty, which will give between 7 to 8 cycles per annum, this will be done on an all out all in basis.

Before bird arrival the house will be pre-warmed by hot water blown air heaters produced by an LPG system in the two additional houses. Existing houses are heated by a Ground Heat Source System. Temperature and humidity will be automatically controlled and closely monitored on a daily basis to achieve a target level of 21° C, post brooding, and a relative humidity of 60-65%, which is important to minimising emissions. Ventilation is controlled by a negative pressure system using roof mounted extraction fans with sidewall air inlets, with gable fans for summer cooling. Water is via a nipple drinking system.

Birds will be fed a minimum of three diets during their growth, with gradually reducing levels of protein and phosphorous as bird age increases.

Feed is delivered from the company UKAS accredited feed mill and blown into bulk feed bins situated at the ends of the houses, from the feed bins the feed is augered into the houses and distributed to the birds via a pan feeding system.

Litter will be removed off site at end of crop cycle and sold to a power station. The farm will then be pressure washed disinfected, dried out prior to the cycle beginning again. All wash waters will be contained in sealed underground tanks.

Fallen stock during the production cycle will be collected and recorded daily. These will be stored in sealed containers awaiting regular collection under the National Fallen Stock Scheme by a licensed collection agent.

The above measures are designed to reduce emissions, trees and hedges will trap dust particles reducing odour. Ammonia emissions will be reduced by reduced protein feed. Containment of wash waters will prevent pollutants being released to the environment. Management plans in place to reduce odour and noise.

Records of tonnages of litter and wash water removal are recorded, along with assurance letters of compliance to the DEFRA codes of good agricultural practises, and sufficient available spreading land.