



EUROPEAN SPRAYDRY TECHNOLOGIES

Regal House, South Road, Harlow, Essex. CM20 2BL

27th January 2017

Mr. Stuart Latham
Knolton Farmhouse Cheese Ltd.,
Overton
Wrexham
LL13 0LG

Dear Mr. Latham,

The Spray Dryer Plant supplied to Knolton Farmhouse Cheese Ltd, Overton, Wrexham LL13 0LG has been designed to process milk products by evaporation of water yielding a powder. The powder produced is separated from the drying air stream via cyclones which have been designed to an efficiency of greater than 98% at a cut diameter below 10 micron.

Prior to exhausting the process air to atmosphere, it passes through a wet scrubber in order to retain particulate matter that may have passed the cyclones. The efficiency of the wet scrubber has been designed to greater than 98% for particles 10 micron or greater.

In line with the specifications of the spray dried product, we foresee the emissions to air being compliant with emission benchmark set out in the Environment Agency's Guidance Notes 'Dairy and Milk Processing Sector (EPR 6.13)' of 50mg/Nm³. This is consistent with information published in the Bulletin of the International Dairy Federation 454/2012, 'Air Emissions from Dairy Processing and Energy Plants' which states '*Using wet separation, it is possible to achieve separation rates of 80-99%. When using cyclones, wet dust emission concentration of <50mg/Nm³ can be achieved.*'

Yours Sincerely

Robert J. Mallerma MSc.