

## Non-Technical Summary

Linden Foods Burradon are applying for a Variation to their current permit.

**Permit Reference Number: EPR/ZP3934WT**

### ABP Food Group Overview

Linden Foods Burradon is part of the ABP Food Group (ABP). ABP is one of Europe's leading privately owned agribusiness companies. ABP is the UK and Ireland's largest beef processor, and also operates substantial renewable, pet food and protein divisions. ABP currently employs in excess of 10,000 people at over 35 processing facilities around the world including Linden Foods. ABP operates a number of Environmental Agency licensed processing facilities in the United Kingdom.

### Existing Site

Linden Foods Burradon is an abattoir which can process beef carcasses and lamb carcasses and has a slaughtering capacity greater than 50 tonnes per day. The number of each species killed varies according to commercial need. There is no cutting plant on site as carcasses are shipped off site for boning and packing.

Cattle and sheep are delivered to the site and held in a livestock building and move through a lairage prior to slaughter. There is normally no overnighting of animals except in emergency situations. The animals are stunned and then bled. The blood is collected and stored in a storage tank prior to removal off-site for rendering.

The blood tank has activated carbon vent filters. Category 3 Specified Risk Material (SRM) including sheep and beef heads, fat and feet are collected separately from Category 1 SRM. Any useful offal is harvested for sale. The site processes the 5th quarter; stomachs are washed and refined, and sausage casings are prepared for off-site sale.

The gut contents of the animals and manure / straw from the livestock building / lairage are recovered for land spreading in accordance with a Standard Rules permit. Hides / fleeces are removed for sale as a by-product. The carcasses are then chilled prior to despatch to off-site boning / cutting / packing facilities. The refrigeration onsite is an Ammonia/Glycol refrigeration system

All process effluent, water from wash down of vehicles, water from the livestock building and the Lairage, and water from the contained yard where SRM and by products are stored is collected prior to screening (0.5mm) and subsequent discharge to foul sewer for treatment at a sewage treatment works. Surface water from clean yard areas is discharged and ultimately reaches Seaton Burn. Emissions to air are either odour, or combustion products from one gas-fired boiler providing hot water and steam.

The site operates a robust in-house environmental management system and is a member of the Climate Change Levy agreement.

## **Proposed Project**

A building expansion to enable 5th quarter processing to be undertaken. Currently 5th quarter has been undertaken in the existing building but a need for better hygiene and quality is required. This will increase the value of 5th quarter from previously rendering outlet to pet food/edible, moving the processes up the value chain.

The introduction of an additional boiler system of 2 x 1.5MW hot water boilers for the factory.

Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physio-chemical treatment. This installation of a new effluent treatment on site which will involve an inlet works, large DAF, sludge dewatering and connection to existing sewer.

Updating of the refrigeration through the addition of propane and glycol gases accompanying the F-gas for use on site, which will lower the global warming potential of the site.