

Document reference: ECGE B2.4

**PROCESSING OF ANIMAL BY-PRODUCTS TO PRODUCE
TALLOW AND MEAT AND BONE MEAL BY HEATING AND
CENTRIFUGAL EXTRACTION**

EDGE CLOSE GREEN ENERGY LTD

**EDGE CLOSE FARM, MAIN ROAD,
FLAGG, NR BUXTON, SK17 9QT**

RAW AND AUXILIARY MATERIALS

January 2017

OUR REF: 15/2949/ippc

1. RAW MATERIALS

- Animal carcasses (animal by-products) – the raw material to be processed
- Water for steam generation
- Water for process line cleaning – primarily drawn from the waste water stream derived from the processing of the raw material and drying of meat and bone meal, plus some mains water per cycle (daily after cessation of processing)
- Water for washing down/cleaning
- Energy – electricity and heat drawn from the electricity generating set (Directly Associated Activity); there is minimal need for electricity to be drawn off the national network

It is assumed that water for use in the plant will be drawn from a new borehole.

2. AUXILIARY MATERIALS

- Animal oil (tallow) – derived from the processing of the raw material and used in the electricity generating set
- B100 biodiesel used in initial start-up only of the generating set – once tallow is first produced that then becomes the fuel for the generating set
- Hot exhaust gases drawn from the generating set into the heat exchange boiler
- Cleaning chemicals and materials