

## NISP

# National Industrial Symbiosis Programme

## CASE STUDY

### John Pointon & Sons

John Pointon & Sons Ltd, based in Staffordshire, is the largest single site animal renderer in the UK. The company, a member of NISP West Midlands, is committed to safely processing animal by-products and has the latest modern technologies on site to ensure it reduces the environmental impact of its operations to a minimum.

John Pointon & Sons Ltd safely converts a wide range of animal by-products into useful products, eliminating potential sources of pollution, contamination and disease.

Through NISP West Midlands, John Pointon & Sons Ltd began a trial with another NISP member, Castle Cement, to see if one of these derived products, meat and bone meal (MBM), could be used as an alternative fuel source for Castle Cement's kiln operations. The trial found that MBM, a product previously sent to landfill, is ideal as a fuel source due to its high calorific value. In addition, the combustion of MBM generated significant quantities of calcium salts which could be used as a raw material replacement. The trials were a resounding success with the animal by products being processed generating over 70,000 tonnes of MBM.

This year has seen the operation continue with more MBM being produced on the John Pointon site of which over 100,000 tonnes will be used in the Castle Cement operations.

