Rendering:
Today’s Solution for Safe Food Waste Processing
Rendering Industry - Facts

- 26 dedicated plants across England, Wales, Scotland and Northern Ireland.
- Process around 1.75m tonnes p.a. of Animal By-products.
- Capacity to handle much more material.
- **ONLY** nationwide ABP collection and processing infrastructure.
- Long established, stable, reliable industry.
Rendering – More facts

- Proven ability to handle all categories of animal by-products:
  - Category 1 (i.e. SRM)
  - Category 2 (i.e. high risk poultry)
  - Category 3 (i.e. former foodstuffs)

- Fully regulated and licensed by DEFRA.

- Plants operating NOW.
What is rendering?

- Animal By-products are:
  - Ground
  - Cooked to destroy pathogens and drive off moisture
  - Liquid and solid elements separated
  - Fractions either ground or filtered
  - Further treatment as required depending on end market requirements.
Material collected by dedicated vehicles from customers

- Water
- Fats
- Tallow

- Fossil Fuel Replacement
- Industrial Chemicals
- Renewable Energy
- Fossil Fuel Replacement

- Meal
Current Disposal

• Landfill:
The Modern Rendering Industry

21st Century Operations
Collection Systems

- Any collection size possible:
  From this:

To this:
Finished Product Applications

• Tallow
  – Soap Manufacture – category 3
  – Industrial Chemicals – category 2
  – Feed – category 3
  – Oil replacement in power stations – cat 2 & 1

• Meal
  – Petfood Manufacture – category 3
  – Solid fuel replacement for green power stations – cat. 2 & 1
  – Solid fuel replacement in cement kilns – cat. 2 & 1
• The UK rendering Industry supplies bio-fuels made from animal by-products for the generation of “green” electricity at these power plants:
Finished Products

• Valuable materials recovered from animal by-products:

Turning this:  

Into these:
Finished Product Benefits

- Long established, stable and sustainable markets for end-products ensures complete business chain security.
- New markets being developed to introduce further added value; renewable energy and building materials.
- Reduces consumption of fossil-fuel based materials
- "Green"
Rendering - Benefits

• Only established nationwide collection and processing infrastructure.
• Well proven competencies in handling large volume of “difficult” wet products
• Flexibility
  – From a wheelie bin to an artic load of animal by-products
  – Can process packaged products
  – Can process liquid or solid materials
• Corporate Social Responsibility
• Proven route to renewable energy
Established Customers

- Government
- All major primary meat producers; red meat and poultry
- Supermarkets
- Food Factories
- Local Authorities
Further information

WWW.UKRA.CO.UK

PHONE: 02476 418704