

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

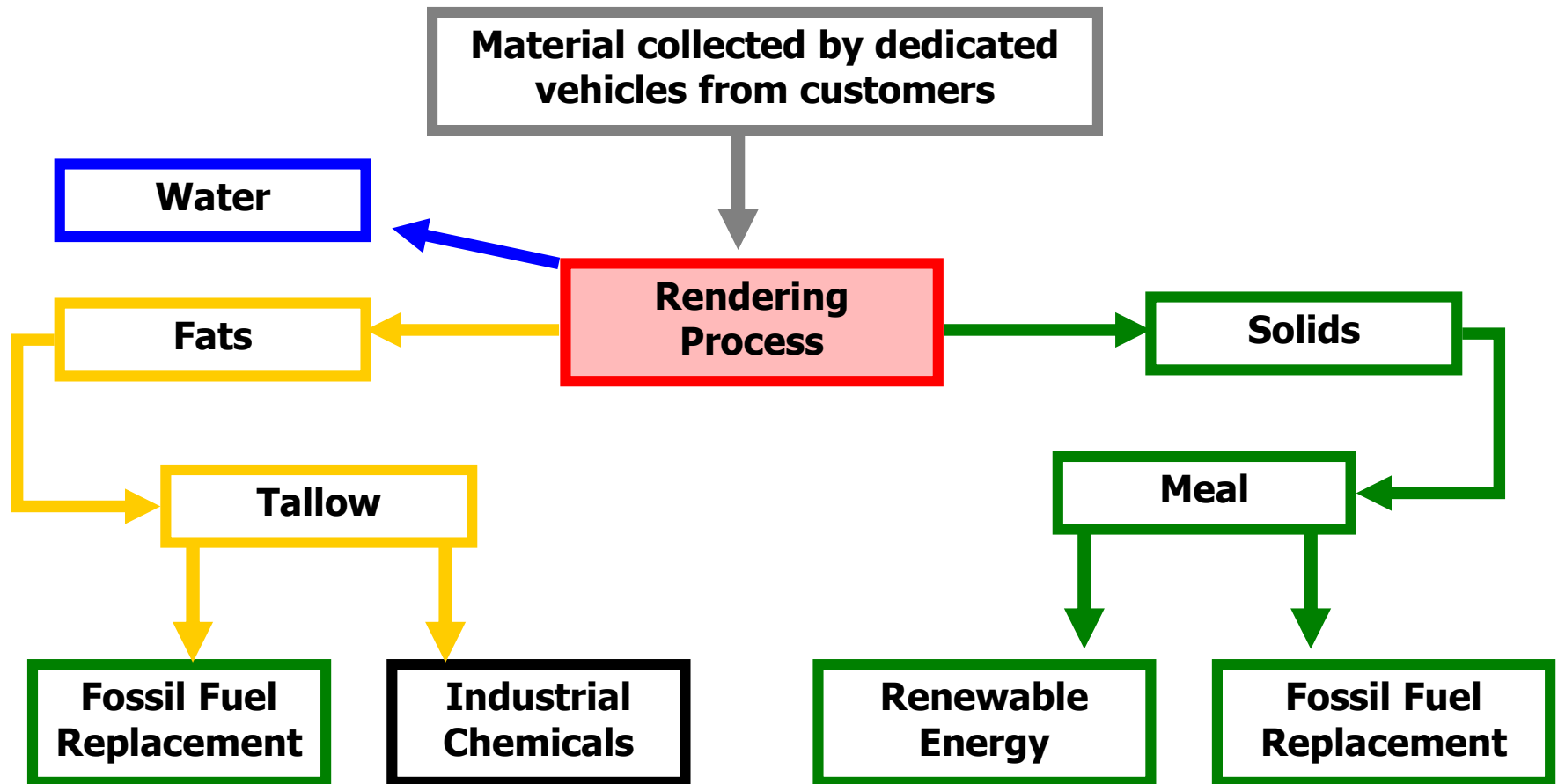
- Proven ability to handle all categories of animal by-products:
 - Category 1 (i.e. SRM)
 - Category 2 (i.e. high risk poultry)
 - Category 3 (i.e. former foodstuffs)
- Fully regulated and licensed by DEFRA.
- Plants operating **NOW**.

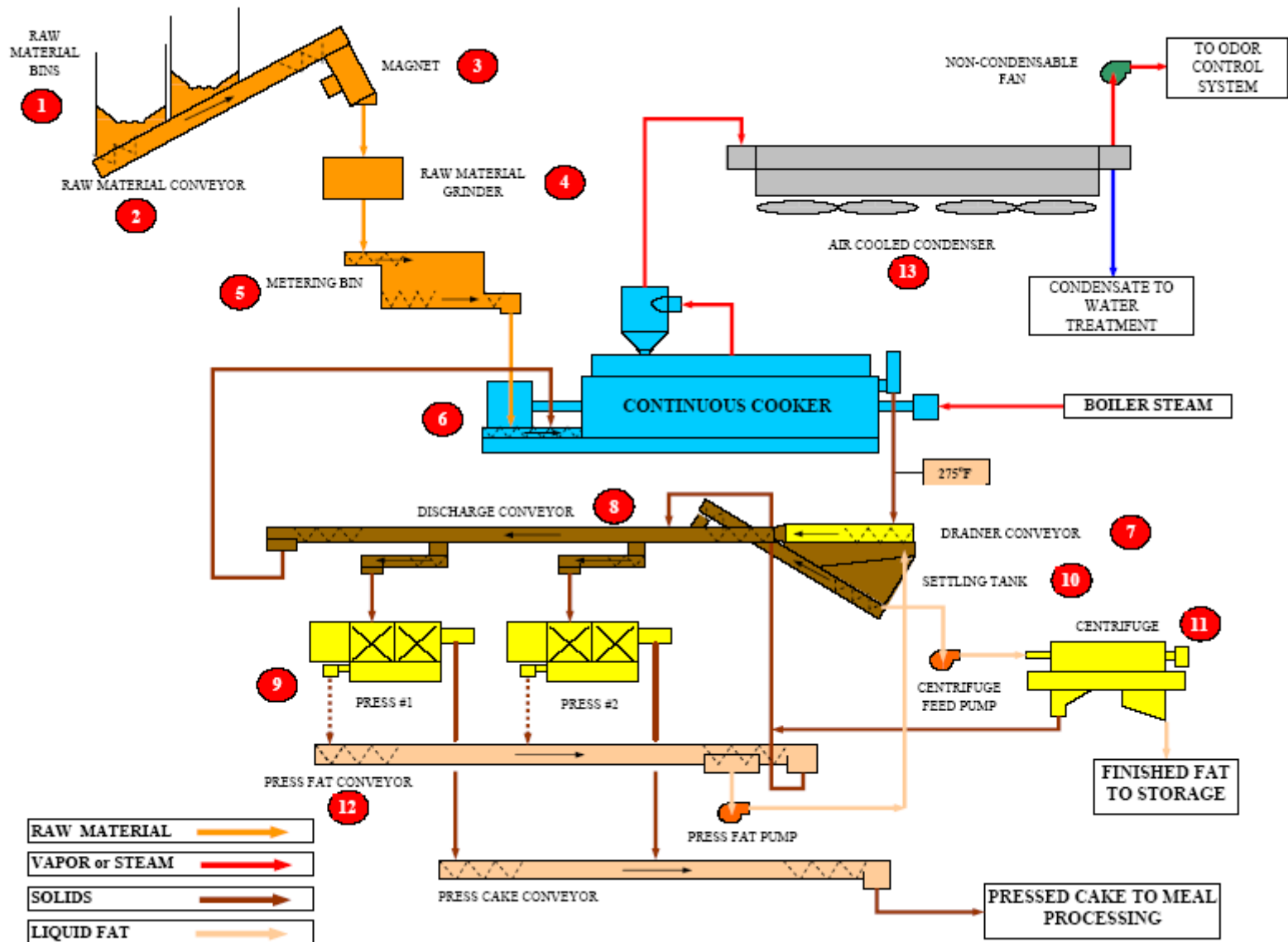
What is rendering?

- 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.

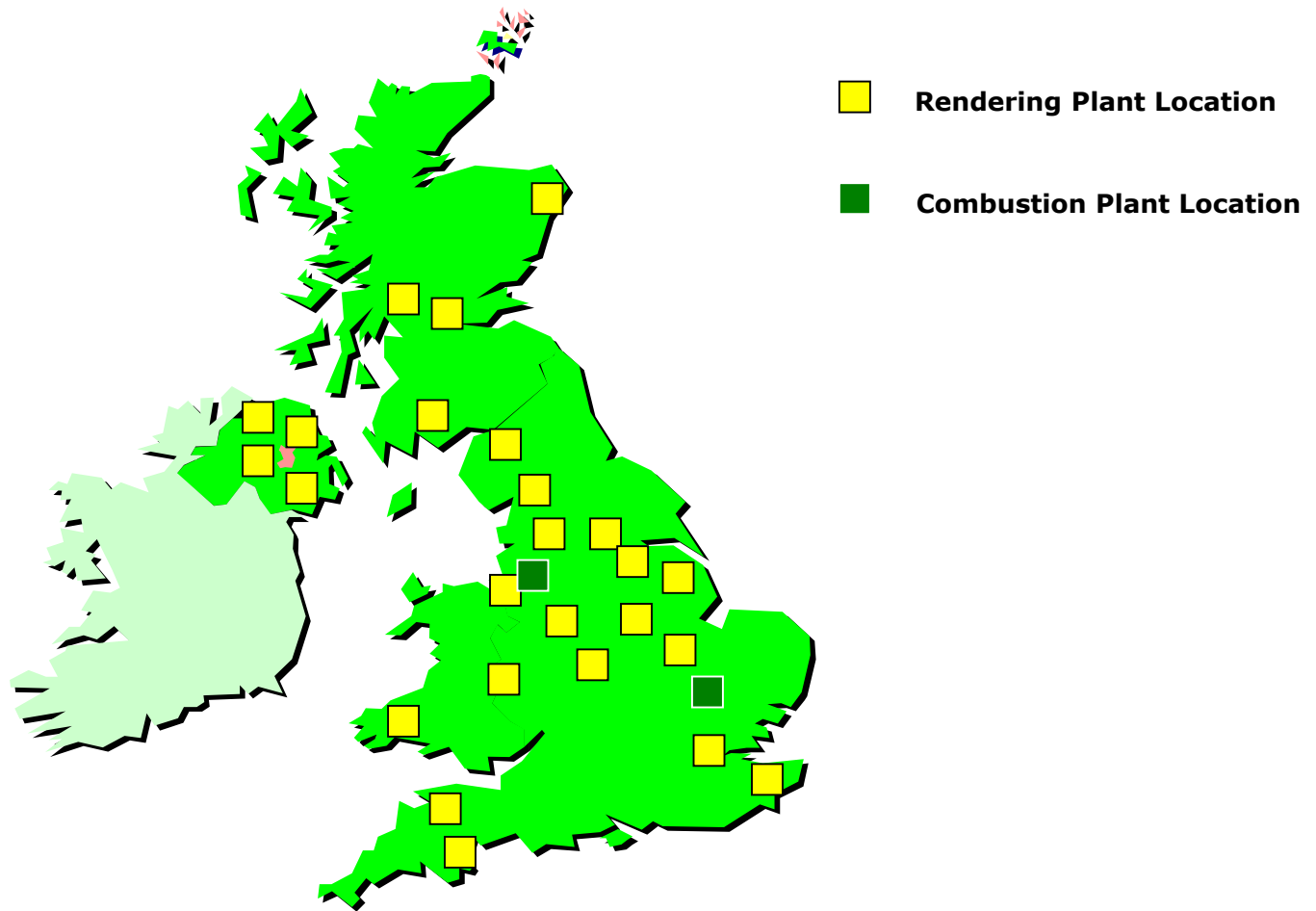


The Rendering Process – Category 2





UK Plant Locations



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



Bio-fuels

- 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 arctic 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



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