The Incineration of ABP Waste

Howard Jonas – General Manager
Introduction

• The Choice of Disposal Method
• The Benefits of Incineration
• The Disadvantages
• Current Incineration Capacity
• The Cost of Incineration
• The Future
The Choice of Disposal Method

- Category of ABP
- Type of ABP
- Availability of capacity
- Packaging of ABP
- Cost
- Geographic location
- Commercial factors
  - Protection of ‘manufacturers / retailers brand’
- Public / animal health issues
- Timing
The Benefits of Incineration

- Can handle all categories of Animal By-Products
- Needs little or no pre-processing of the waste stream
- Has a broad geographical coverage
- Provides a secure solution to protect producers’ reputations and brands
- Can be used to generate electricity as a product of the disposal process
- Can safely dispose of infected / contaminated material
Disadvantages

- Cost
- Public perception
Current Capacity

• 12 municipal incinerators
• 3 specialist hazardous waste incinerators
• 19 larger specialist ABP incinerators
• < 30 other large incineration plants

Sources: - EA, DEFRA
(All figures quoted refer to England and Wales only)
## Current Capacity

<table>
<thead>
<tr>
<th>Process Type</th>
<th>Number of Plants</th>
<th>Est. Capacity (te p.a.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal</td>
<td>12</td>
<td>2,700,000</td>
</tr>
<tr>
<td>Hazardous</td>
<td>3</td>
<td>120,000</td>
</tr>
<tr>
<td>Specialist</td>
<td>19</td>
<td>166,400</td>
</tr>
<tr>
<td>Other</td>
<td>&lt;30</td>
<td>150,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>3,136,400</strong></td>
</tr>
</tbody>
</table>

Sources: - EA, DEFRA, RIO, Literature Search
(All figures quoted refer to England and Wales only)
Current Capacity

Good News

- Estimated daily ABP production of 520 te is approximately 7% of the current capacity
- Incinerators are located in most regions of the UK

News Update

- This 7% capacity may not exist!
The Cost of Incineration

This varies enormously across the country:

- Low cost £100 per tonne
- Median cost £225 per tonne
- High cost £450 per tonne
The Pressures on Incineration

• Legal
  – Waste Incineration Directives
  – Hazardous Waste Directive
  – Landfill Directive
  – Animal By-Products Directive
  – TSE Regulations

• Public
  – Perception
  – NIMBY’ism
  – Planning Issues

• Other Changes
  – Recycling of waste
  – New technologies
The Future?

• We must prevent ABP becoming the new ‘fridge mountain’
• Is there enough “real” incineration capacity?
• Revision of planning policy for Waste Facilities
• Effective, consistent enforcement will require a joined up approach by the various regulators to create a defined playing field
Thank you for listening.