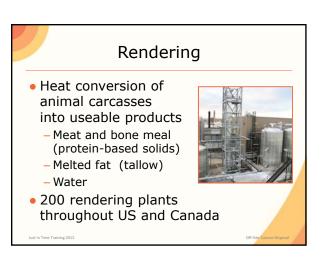


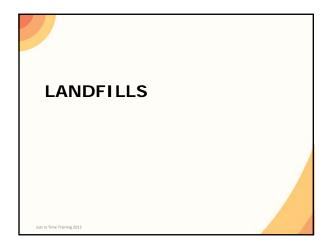


RENDERING

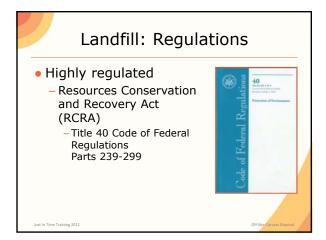


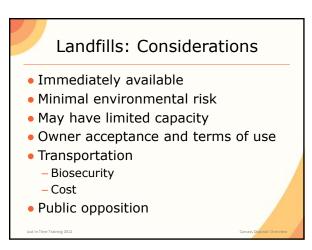
Rendering Process Continuous rendering system One vessel used for entire process Processes are simultaneous Little to no manual operation Moisture converted to steam Temperature between 240-275°F Destroys harmful pathogens

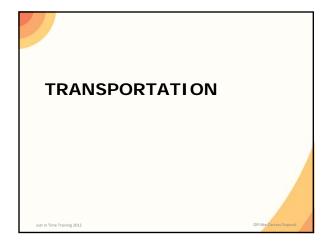




Public and privately owned EPA's I-WASTE tool Existing site Liners Leachate and gas collection systems Minimal environmental risk Carcass degradation may take longer







Carcass Transport: Planning Training & guidelines — Supervisors, operators, drivers Obtain transport vehicles Determine travel route — Direct as possible Supplies — Cleaning and disinfection — Personal protective equipment Permits & official documents — Federal, state & local

Transport Containers

- Liquid tight
 - Seal holes & cracks
 - Layers of duct tape & plastic
- Lining material
 - Polyethylene plastic
 - Sufficient material on all sides
- Absorbent material
 - Wood shavings

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Loading the Containers

- Fill container
 - One foot from top
 - Maximum weight limit
- Spray with disinfectant
- Wrap and seal load
- Cover the container
- Check for leaks
- Clean and disinfect before leaving the site

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Regulations

- Environmental Protection Agency
- Department of Transportation
 - DOT Hazardous Materials Program Definitions and General Procedures
 - 49 CFR Part 105

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Transport Process

- Use designated routes
- Avoid unplanned stops
- Have drivers take breaks on long distance trips
- Two-way communication at all times

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Off-Site Ca

Unloading

- Unloading procedures specified by facility
- Unload close to the disposal site
- Check for leaks and cover integrity
- Clean and disinfect after unloading
 - Interior, exterior, undercarriage
 - Tools and equipment
 - Dispose of PPE

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Resources for Off-Site Disposal and Transport

- USDA Foreign Animal Disease
 Preparedness (FAD PReP) Guidelines:
 Disposal
 - http://www.aphis.usda.gov/animal_health/ emergency_management/nahems_guidelines.shtml
- Carcass Disposal: A Comprehensive Review. USDA and Kansas State University
 - http://fss.kstate.edu/FeaturedContent/ CarcassDisposal/CarcassDisposal.htm

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Off-Site Carcass



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