

LLW Repository Ltd

Combustible Waste Update December 2010

Presented By:

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LLW Repository Ltd

Our Customers

NDA Sites

Public Sector

Private Sector

Third Parties



Our Services



packaging



metallic



combustible



supercompactable



very low level



low level



LLW Repository Ltd

Combustible Waste Treatment Service



- New Combustible Waste Treatment Service
- Four Service Providers:
 - Abbot Nuclear Consulting, using the following treatment facility:
 - Tradebe (Fawley, UK)
 - Nuvia, using the following treatment facility:
 - Socodei (Centraco, France)
 - Energy Solutions, using the following treatment facilities:
 - Bear Creek (Oak Ridge, Tennessee, USA)
 - Belgoprocess (Mol-Dressel, Belgium)
 - Inutec (Winfrith, UK)
 - Grundon (Colnbrook, UK)
 - Studsvik, using the following treatment facilities:
 - Studsvik AB (Nyköping, Sweden)
 - Tradebe (Fawley, UK)

UK Facilities



Grundon Lakeside Road
Incinerator, Colnbrook,
nr Slough

One tonne per hour stepped hearth incinerator authorised by the Environment Agency to accept:

- Pharmaceutical/cytotoxic waste
- Radioactive waste
- Hazardous waste
- Range of packaging i.e. sacks, burn bins, wheeled bins

UK Facilities



Tradebe, Fawley Thermal Treatment Centre, Hythe, nr Southampton

Authorised by EA to process 45,000te per annum

- Burns solid liquid and gaseous waste at >1100 deg celsius
- Complete destruction of waste in an oxygen rich environment
- Rotary kiln incinerator, 12m x 4.5m
- Solids residence time = 2 to 4 hours

Metallic Waste Treatment Service



- Metallic Low Level Waste Recycling Service
- Three Service Providers:
 - Energy Solutions, using the following treatment facilities:
 - Bear Creek (Oak Ridge, Tennessee, USA)
 - Inutec (Winfrith, UK)
 - Siempelkamp GmbH (Krefeld, Germany)
 - Nuvia, using the following treatment facility:
 - Socodei (Centraco, France)
 - Studsvik, using the following treatment facilities:
 - Studsvik Metal Recycling Facility (Workington, UK)
 - Studsvik AB (Nyköping, Sweden)

Highlights



- Since 1st April 2010:
 - Treated 220t of Metallic Waste
 - Orders in place for an additional 284t of Metallic Waste
 - Diverted approximately 20 HHISO equivalents from disposal
- Largest Consignments:
 - 133t from the Medical Research Council
 - 200t from Sellafield Ltd (*delivery complete in early December*)
- Average Unit Price: £2,850/t
- Future Consignments:
 - Sellafield Ltd: Redundant ISOs / MEBs / Lead
 - Magnox: Chapelcross Discharge Baskets / Bradwell Pond Skips