

Tradebe Inutec: Sampling, Characterisation & Analysis



Sampling, Characterisation & Analysis

Tradebe Inutec is a leading provider of independent radioactive waste management services to nuclear Customers.

Sampling, analysis and characterisation are fundamental steps to understand, store, budget, consign, transport, treat and dispose of radioactive materials.

We provide Customers with LLW and ILW sampling, analysis and characterisation (including high dose rate and Alpha material) via our UKAS Accredited Testing Laboratory. Our services encompass radionuclide, chemical and physical analysis.

Our team has many years' of experience and our service is supported by a range of quality and safety certifications. We are based on a Nuclear Licensed site.

Tradebe Inutec:

- Provides reliable, independent analysis as a firm basis for waste management decision making
- Offers a wide range of analytical tools and techniques used by nuclear Customers
- Uses the recognised knowledge and experience of our staff to provide more than just results: we will work with Customers to make sense of their data
- Integrates characterisation and analysis into wider waste management and treatment/disposal processes.

Specialist Radionuclide Analysis Capabilities

- Rapid Screening Techniques
- Gross Alpha, Beta and Gamma Activity Analysis
- High Resolution Gamma Spectrometry
- Alpha Spectrometry
- Liquid Scintillation Counting
- Inductively Coupled Plasma Mass Spectrometry
- Specific Radionuclide Analysis



Contact Details

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Tradebe Inutec: Innovative Radioactive Waste Management



Tradebe Inutec

Tradebe Inutec provides innovative solutions across the waste management cycle and has established strong long-term relationships with all of the leading nuclear operators including Nuclear Power Utilities, Defence and Government organisations.

Over 30 Years, Our Projects Have Included:

- **LLW & ILW Sampling, Analysis & Characterisation** – providing timely information to enable efficient waste stream treatment of materials such as Sands, Resins and Desiccants
- **Waste Sorting, Segregation & Buffer Storage** – to allow use of extensive network of additional treatment and disposal routes
- **Co-disposal of items within the ILW/LLW Boundary** – combining inventories with wastes from multiple Customers, enabling LLW final disposal
- **Detritiation of TSBs & other Tritiated Items** – incineration and washing technologies for a wide variety of complex tritiated wastes
- **Supercompaction, including Asbestos & Beryllium** – including management of secondary liquids. The only mobile UK Supercompaction facility
- **AETP Sludge Retrieval, Encapsulation & Disposal** - using innovative mixing, retrieval and cement direct pouring techniques
- **Size-reduction & Decontamination of Metallic Items** – projects including 50Te items for smelting and out of scope release
- **Mercury Decontamination** – advanced clean up of contaminated mercury for recycling
- **Provision of Transport Packages and Services** – for movement of LLW & ILW materials.

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