



Waste Characterisation

Technical consulting

© Orano - Larrayadiou Eric

Waste characterisation across the lifecycle

Orano Projects Limited delivers all aspects of characterisation work, throughout the waste management lifecycle. Our technical teams can plan and manage work packages from initial consultation and development of sampling and analysis strategies, through to data interpretation and final reporting. We understand the importance of working collaboratively with clients and utilising their extensive experience to deliver all aspects of a waste characterisation programme.

Our key capabilities include the following:

- Gap analysis of historic records to establish provenance
- Support to the development of in-situ characterisation methodologies
- Development of sampling and analysis strategies including managing heterogeneity, uncertainties, and cross-contamination risks through use of the US EPA's Data Quality Objectives (DQO) process
- Interpretation of data from various streams, including application of fingerprint
- Production and technical review of radiological and analytical data.



Orano Projects Limited has an exceptional track record of providing the best technical solutions for waste characterisation. We understand our clients' needs and offer high-quality support that demonstrates our technical excellence and extensive practical experience gained by working in the nuclear and environmental sectors.

Integrated waste management and routing

Our experienced team has the expertise to prepare and review all documentation from initial waste assessments through to final treatment and disposal:

- Identification of suitable waste routes
- Activity assessment of waste and advice on waste assay
- Provision of onsite support and audit of waste practices
- Advice on compliance with EPR permits
- Authoring of Best Available Technique (BAT) and Best Practical Means (BPM) assessments
- Waste management advice to Hazard Operability Studies (HAZOPs)
- Advice on packaging and transport regulations
- Provision of SQEP training and advice

A gateway to global expertise

To complement its UK capability, Orano's teams in the UK act as a gateway to the wide-ranging waste characterisation expertise available within the wider international group.

The Orano group has cutting-edge expertise in the characterisation of radioactive waste, whether originating from the operation of its own nuclear facilities, their dismantling or from major maintenance operations.

Orano also has a technological catalogue with dozens of products, developed, tested and implemented in nuclear zones. These innovations not only call upon the latest advances in robotic sciences, virtual reality and information technology, but also those in the fields of chemistry, nuclear measurement, and mechanics.



© Orano- Heely, Cedric

Why choose Orano Projects?

From off-the-shelf protocols and technologies to bespoke strategies, Orano Projects Limited provides personalised solutions to meet our clients' waste characterisation and management demands. With in-house teams of experienced consultants, we are able to guide you through each step of waste characterisation and final disposal.

Our robust quality assurance systems and internal verification procedures ensure that all work is delivered to the highest possible standard of quality and fully meets the specified requirements. Combined with our extensive experience, we deliver high quality work with tangible cost saving for the client.



© Orano- Loratadines, Eric

Orano Projects Limited is a wholly owned subsidiary of Orano, providing specialist technical consultancy and expert engineering services to the UK nuclear industry. With a track record of over 40 years operating in the UK, we combine unique knowledge and experience to offer the best value

Contact your local office

Abingdon: +44(0)1235 555755

Warrington: +44(0)1925 816851

Whitehaven: +44(0)1946 67377

Head office: Suite 7, Hitching Court, Abingdon Business Park, Abingdon, Oxfordshire, OX14 1RA, United Kingdom



orano

Giving nuclear energy its full value

www.oranoprojects.uk

www.orano.group