



Waste Characterisation

Technical consulting

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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.



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Giving nuclear energy its full value

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 2010 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.

Underpinning confidence in laboratory analysis

Orano Projects Limited delivers support to ensure characterisation analysis undertaken by laboratories is of the highest standard. We have the capability to develop and implement quality management systems to ensure compliance to ISO 17025 accreditation for radiochemical and analytical analysis.

Other areas of expertise include the following:

- Implementation of gap analysis to establish whether procedures and practices are ready for accreditation;
- Development management systems and provision of ongoing support through the implementation stages;
- Training of staff in technical and management aspects of ISO 17025;
- Development of radiological and non-radiological methods including data validation;
- Auditing of laboratories to ensure compliance either as a supplier, as part of a project, or to underpin accreditation



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Why choose

Orano Projects?

From off-the-shelf protocols 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 and provide expert advice on ISO 17025 accreditation and compliance for client laboratories.

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.



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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

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