

Meet WRC's Waste Doctors



WRC's team of Waste Doctors helps clients across multiple sectors to optimise the value of their "waste" resources and ensure regulatory compliance. We specialise in the design and implementation of waste sampling and classification methodologies.

WRC has been instrumental in developing guidance that supports UK plc with understanding and managing unavoidable waste. Examples of publications the team has produced or contributed to include:

- ESA, 2018 - *A sampling and testing protocol to assess the status of incinerator bottom ash*
- Environment Agency, 2009 - *Guidance on monitoring of MBT and other treatment processes*
- BS PD CEN/TR 15310:2006 parts 1-4 – *Characterisation of waste. Sampling of waste materials*
- BS EN 14899:2005 – *Characterisation of waste. Sampling of waste materials. Framework for the preparation and application of a sampling plan*
- ESART, 2004 - *A practitioner's guide to testing waste for onwards reuse, treatment or disposal acceptance*



The team provides specialist technical consultancy underpinned by in-house laboratory testing to characterise wastes and products and help waste producers recover resources. We develop robust evidence to support intelligent, rather than worst-case classification, under the WM3 guidance.



WRC's Waste Doctors can help you manage ever-evolving regulatory and contractual requirements accurately and efficiently, safeguarding your reputation and enabling you to focus on your business priorities.

Get in touch with waste@wrcplc.co.uk or any of the consultancy team opposite to discuss how we can help you.

Further information is at wrcplc.co.uk/resource-efficiency



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Meet WRc's Waste Doctors



The team specialises in several key areas.



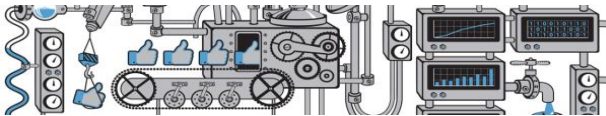
Waste characterisation and classification

WRc helps waste producers understand the basic characteristics of their wastes – type, quantity, physical and chemical properties – in order to classify wastes correctly and make informed recovery option assessments. We undertake biodegradability, hazardous property, environmental risk and end-of-waste assessments and highlight 'problem' parameters which may compromise zero waste to landfill and other resource recovery goals.



In-house laboratory testing

WRc's Waste Doctors are supported by WRc's in-house laboratory. The team of technicians undertakes the processing and analysis of large, complex and often heterogeneous inorganic and organic residues. This includes sample preparation, compositional sorting, biodegradability testing and fibre tests. We have developed a tool box of speciation techniques to support residue classification and can carry out a range of treatment trials. We also manage a basket of analytical sub-contractors to offer a comprehensive testing service.



Statistical analysis and programme design

Our statisticians design sampling frameworks to characterise waste composition and quantify material flows. We have developed sampling protocols for regulators, trade associations and companies from a range of industrial sectors.



Circular economy

The transition to a circular economy demands efficiencies and improvements in processes, along with an understanding of wider context and a clear sense of strategic direction. WRc's waste doctors support industry to prevent leakage of key materials to landfill by recovering valuable resources. See – Innovation in Infrastructure and Innovation in Plastics.



Environmental risk assessment

The team undertakes environmental risk assessments to demonstrate compliance with end of waste criteria and quality protocols, ensuring valuable resources remain in circulation.

optimising value | ensuring compliance |
safeguarding reputation