

PROJECT INFORMATION

Waste Stream Management and 'Zero Waste' in Turkey: Part 2A: Waste law definitions and refused derived fuel for cement kilns



Refuse-derived fuel produced
from plastic waste

Source: Anja Schwetje, German
Environment Agency

Background

The Turkish Ministry of Environment and Urbanization (MoEU) monitors and regulates waste management in Turkey. Turkey's 'Zero-Waste' programme enhances the circular economy and the efficient use of resources in the country. This includes increased efforts to facilitate recycling and the use of non-hazardous waste components for energy generation. Challenges include insufficient process organization, combined with a lack of awareness of technical standards and quality assurance within the waste treatment operations.

Project details

The project mainly strengthens MoEU's expertise on the recovery of non-hazardous waste, on critical issues pertaining to the waste hierarchy principle, on selected legal terms of the EU Waste Framework Directive (WFD) and on the production of marketable substitute fuels. The work of INTECUS GmbH fills knowledge gaps in the interpretation of the hierarchy concept and by-product stipulations for the implementation of the WFD under Turkish conditions and describes requirements and measures for safe and quality-compliant waste fuels from local waste processing. A 15-pages orientation paper explains the intentions, challenges and practical understanding of the relevant EU terminology, including waste-specific examples. A guideline provides information on essential aspects of processing alternative fuel, acceptable for the cement industry. It lays particular focus on quality assurance by way of adopting adequate process designs, precautionary product regulation and control. All topics are discussed with reference to the documents prepared in English and Turkish.

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Beneficiary country: Turkey
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Beneficiary: Turkish Ministry of Environment and Urbanization (MoEU)
Implementing organisation: INTECUS GmbH, Waste Management and Environment-integrating Management
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