

Waste Analysis Services

Material recycling facilities feedstock and output analysis

Over the last decade, M·E·L has carried out contamination surveys at Material Recycling Facilities for Waste Management Companies and Disposal Authorities. Material analysis at recycling facilities is dependant upon the type of sorting and processing as well as the type of materials entering the plant. The information required is therefore specific to each plant.

Common information that is collected from these projects includes:

- ◆ Detailed compositional analysis of front end material
- ◆ Quality of materials before and after processing including contamination assessments of individual and co-mingled material streams
- ◆ Optional sizing analysis
- ◆ Quality control e.g. contaminants missed by optical separation technology
- ◆ Year-on-year performance comparisons



Feedstock analysis of energy from waste plants:

M·E·L has been undertaking this work for the past two decades and now carries out annual analysis for many of the plants in the UK. Feedstock analysis provides data on all waste entering a plant and gives the following information:

- ◆ A detailed breakdown of all waste materials through primary and secondary categories
- ◆ Total packaging and combustible packaging content
- ◆ Biodegradable content
- ◆ Chemical analysis, including gross calorific values and moisture content

Waste material flow analysis of kerbside collected, HWRC and trade waste streams:

These types of analyses provide information on various and combined waste streams and are carried out on behalf of collection and disposal authorities. They can be tailored to clients needs depending on budgets and household distribution within the locality. Types of information produced include:

- ◆ A detailed breakdown of general residual waste from a variety of sources
- ◆ Potentially recyclable and re-use materials within the local geographical area
- ◆ Contamination within recycle streams
- ◆ Chemical analysis of waste streams

