



# WASTE AUDITING

## Analysis of Waste Streams

### GENERAL

Solid waste management is a major issue in society due to the large quantities of waste produced, environmental constraints, public health concerns, the diverse nature of wastes and the diversity in waste sources.

In order to develop a strategy to manage the solid waste stream, detailed and accurate information is required regarding the nature of the total waste stream. In order to obtain this information it is essential to carry out a **waste audit**. Waste audits conducted by Spartel are tailored to provide all the information required to develop such strategies. We have over 10 years experience in waste auditing for local government and industry.

The objective of waste auditing is to quantify and characterise a defined waste stream for the purpose of a more efficient and sustainable waste management system.

### WASTE CHARACTERISATION

Waste is classified to comply with the National Classification System. Each audit is tailored to the specific needs of the client for cost effectiveness. Characterisation of the waste is carried out to provide quantitative and qualitative information about the waste stream.



**Random sampling from a selected waste stream**

### INFORMATION PROVIDED BY WASTE AUDITS

- Total waste quantities
- Composition of the waste
- Potential / actual quantities of recyclables
- Amount of compostable waste
- Waste densities
- Volume of various waste components
- Seasonal fluctuation
- Category of landfill disposal
- Identification of appropriate waste minimisation and recycling options



**Characterising a waste sample into waste categories**

### BENEFITS OF WASTE AUDITS

- Identification of waste streams and sources
- Determines regulatory compliance
- Quantification and valuation of recyclables
- Enables accurate cost benefit analysis
- Improved waste management planning
- Monitoring changes in the waste stream over time
- More efficient waste collection and recycling systems
- More effective public education programs
- Performance evaluation of waste management systems