

# Wingmoor Farm East: Integrated Waste Management Facility

Permitted Activities

## Non-hazardous waste & Materials Recovery Facility - MRF

Non hazardous waste is:

- commercial and industrial (C&I) wastes from factories, shops and restaurants
- construction, demolition and excavation (C,D&E) wastes including plastics, metals, concrete, bricks and soils. Inert wastes fall within this category.

In 2007\*, 136,000 tonnes of non-hazardous wastes were landfilled, of which 75% was C&I waste. 37% came from Herefordshire and Worcestershire with the remainder from Gloucestershire. The 2008 trend shows a slight increase in volume with a similar source pattern.

Of the out-of-county waste, 75% is residual material from recycling/recovery plants, whereas only 7% of Gloucestershire's waste is from such sources. This means there is scope to recycle some of the incoming waste in the newly built on-site Materials Recovery Facility (MRF).

Grundon has been investing continuously in MRFs for 12 years. The current picture is as follows:

Location	Annual Capacity	Status
Reading	40,000	Operational
Slough	50,000	Operational
Leatherhead	42,000	Operational
Oxford	150,000	From 2009
Cheltenham	48,000	In planning
Banbury	70,000	In planning

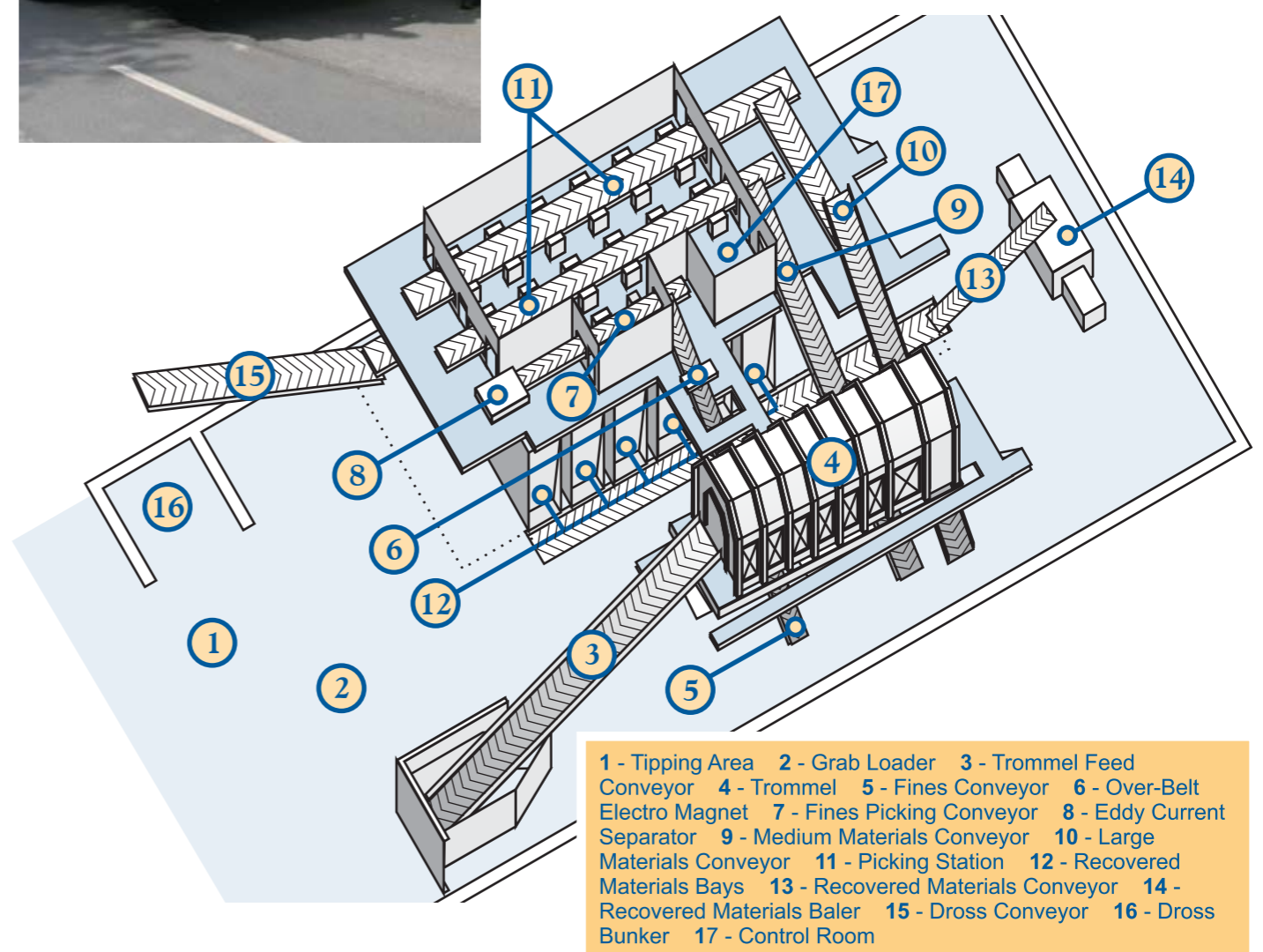
Figure 6

The operational processes at the Wingmoor Farm East MRF would be similar to those represented alongside, using a trommel to separate incoming material by size. The materials to be recovered at the Wingmoor MRF would include:

- paper, manually hand picked and bulk transferred to paper mills for reprocessing
- ferrous metal, mechanically picked by magnet and bulk transferred to steel manufacturers
- non-ferrous metal, mechanically picked by eddy current separator and bulk transferred to Rio Tinto Alcan.
- plastics, hand picked and sent to reprocessors for a variety of uses
- cardboard, bulked up and sent to board mills for reprocessing
- glass, crushed and sent to construction companies for use as secondary aggregate on drainage and construction projects.

The MRF already has planning permission. An application has been made to Gloucestershire County Council to extend the life of the MRF to match the proposed extension to the landfill site life to 2029.

\* 2007 statistics are used throughout this section as the 2008 consolidated/validated data was not available at the time of going to press



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