

Costa Twin Waste stream solution disposal:

Costa Coffee equity estate serviced by Veolia Environmental services currently benefits from receiving a dual waste stream collection.

All dry items of waste are taken away by Veolia and treated as a mixed recycle at a Materials Recovery Facility (MRF).

The Mixed Recycling waste is sorted at this facility into its component parts. Mixed Papers, Card, Plastics and Metals are all separated using both automatic and manual sorting processes. Each product is then collected together into a mass volume and sold on to facilities for re-processing either into further products of the same type or into alternative use products. Plastic milk bottles for example would be made into new plastic milk bottles. Costa takeaway cups would be shredded and made into toilet roll.

There would be some element of residual waste that is not able to be sorted. In most facilities, this would be collected and taken to a treatment facility. In the main this would be a facility to offer diversion from Landfill such as Energy from Waste (ERF) plant.

The second of the two waste streams is for the Food/Coffee and wet wastes. This product is collected by way of a reverse logistics programme performed by K & N. This waste stream would include unused package foods and wet paper roll and napkins as well as naked food wastes and coffee grounds. Currently the waste from the South of the county is returned to K & N's DC at Wellingborough. Here the food and the coffee are split out into two separate waste streams.

The mixed and packaged foods get taken to an Anaerobic Digestion facility (AD). This is the biological treatment of organic waste that produces a biogas that can be used to produce electricity or fuel vehicles. A digestate is also produced that is used within the farming industry as a liquid fertiliser.

The coffee waste is taken to a Biomass facility. Here the coffee waste is mixed with other organic matter such as wood or leaves and is incinerated to produce electricity, similar to an ERF facility. As this process only accepts organic matter the bottom ash collected as a result of the process is then shipped out to form road aggregate.

Currently the second waste stream collected in the North of the country and collected by K & N at their Trafford Park DC is mixed into one container due to space issues at site. This product is at present being treated at an ERF; however there will be a Biomass solution available shortly in this area. Once the new DC is online in early 2013, the wet waste will be split in the same way as in Wellingborough and the treatment of the waste will revert to a similar process.