



In 2002 WRAP set up a project with partners Dairy Crest, Nampak Plastics, Fraunhofer Institute and Nextek to develop a food grade recycling process for HDPE that would allow the recycled material to be used again in milk bottles. The initiative was designed and funded to recycle 20,000tpa of milk bottles in the UK.



The judges said WRAP's high profile involvement of key players will go a long way to increase confidence in the use of recycled materials in food contact applications.

WRAP set up a research consortium, headed by the Fraunhofer Institute, which proved plastic bottles collected from UK kerbsides could be recycled in a way suitable for further food contact applications. Longer trials were needed to establish the recycled material would run for extended periods of time and not cause any moulding issues. It also needed to establish that bottles containing recycle would fill and transport identical to virgin bottles.

WRAP and the consortium worked to place over 60,000 plastic milk bottles through the supply chain and onto Marks & Spencer's shelves in December 2006.