



HILLS MINERALS AND WASTE LTD

GENERAL INFORMATION FACT SHEET (NO.1)

HILLS RESOURCE RECOVERY CENTRE (CHAPEL FARM)

LANDFILL SITE

The site at Chapel Farm operates under a Pollution Prevention Control Permit (PPC) issued by the Environment Agency (EA). This covers the disposal of 'non-hazardous' waste, and 'stable non reactive hazardous waste (asbestos)'. Additionally the site operates a leachate treatment plant (LTP) which process the contaminated water generated by the site through natural biological means prior to discharge to Thames Water sewerage system.

The degradation of the non hazardous waste produces landfill gas as a bi-product. This is collected and processed through 2 (third engine in development) engines that burn the gas to generate non fossil fuel energy providing sufficient electricity for several thousand houses.

The construction of the landfill currently utilises on site clay to engineer a very low permeability membrane to contain the waste and its bi-products. Once an area of waste has reached its agreed profile, an engineered clay cap is placed over the waste. This technology is broadly termed 'containment' and is the current Best Practical Environmental Option (BPEO) for landfill waste. The engineered cap is restored with restoration and agricultural materials from a scheme also contained within the PPC permit.

WOOD RECYCLING OPERATION

Wood collected from both commercial and household origins are transported to Chapel Farm for reprocessing. This involves chipping the wood and screening out various fines and oversize elements. The wood can then either be used in fuel for power stations, manufacture of chip board or as engineering materials at the landfill site.

The wood processed at the facility varies considerably in quality, ranging from packaging wood, chip board and MDF from household DIY projects.

CLAY EXTRACTION

Chapel Farm has an excess of clay material on the site. Hills periodically extract this for use within local engineering projects (Commonhead Roundabout Improvements). Where clay is removed but not taken off site, the material is incorporated into a re-profiling scheme at Widhill Farm.

SKIP SORTING FACILITY

Skip waste recycling is carried out on a dedicated area where mixed skips with inert waste such as hardcore, soil, wood and metal are sorted. Hardcore is processed and used as an on site road building material, soils recovered are incorporated into the restoration scheme. Any wood is processed through the Wood Recycling Operation, metal is collected and recycled locally (Swindon).