

Wester Hatton Landfill Site Shanks Waste Services



*Former quarry
transformed to
fully-operational
landfill with
environmental and
engineering expertise*

Entec has worked with Shanks Waste Services on the development of a strategic landfill site at Aberdeen since 1997. The site is located in a disused sand and gravel quarry, which had been partially restored by inert filling.

Initially Entec prepared a planning application and EIA for the proposed landfill site, based on detailed site investigations and environmental baseline studies. Important elements of the work included advice on the planning strategy, development of the need case, and an assessment of alternative sites.

Having obtained planning consent, Entec has subsequently been involved in the preparation of the waste management licence application, including detail design, and the preparation of groundwater and landfill gas risk assessments for the development.

More recently Entec acted as project manager for the procurement and construction of the initial phase of the development, which included construction of the site infrastructure, first waste disposal cell and a totally enclosed bird deterrent netting system.

Prior to installation of the engineered containment system, which is based on a composite BES /HDPE geomembrane, it was necessary to excavate considerable volumes of made ground in the area of the first cell to use as fill to perimeter screening bunds.

During construction Entec provided full time engineering and construction quality assurance supervision and a geomembrane leak location survey of the completed works. The site, which is now operational, accepts a range of wastes.

