

# Bradley's Sandpit

## Project Description Sheet



### Location

Lightfoot Lane, Preston

### Client

J.A. Jackson

### Commenced

May 2002

### Key Project Elements

- Landfill Engineering
- Design & Construction Quality Auditing of lining systems.
- Volumetric & Material Modelling
- Waste Planning
- Recycling
- Site Monitoring & Restoration
- Feasibility & Planning

Bradley's Sandpit, near Preston is an active landfill licensed to receive inert waste.

PSA Design was commissioned to undertake the design, programming, supervision of site works and provide Construction Quality Auditing (CQA) monitoring and reporting services for lining, capping and restoration works of the site.

The project involved a new phase of lining works which will increase the capacity of the landfill by 0.5 million tonnes and have the minimum environmental intrusion during construction, landfilling operations and post – closure.

The Permo–Triassic Sherwood Sandstone aquifer was located below the site leading to a sensitive earthworks operation. Restoration works consisted of 100,000m<sup>2</sup> of capping area.

The construction works produced an earthworks balance of 500,000m<sup>3</sup> of material. Detailed site investigations were carried out for source approval of local materials.