

Hill Top Colliery Landfill site Closure Report

Project Description Sheet



Location

Bacup, Lancashire

Client

N&R (Todmorden) Ltd

Commenced

August 2004

Key Project Elements

Desk Study
Ground Investigation

Environmental Monitoring
Landfill Completion Report

PSA Design were commissioned to carry out a study of the landfill site and to recommend measures for closure.

The site occupies a triangular plot of approximately 2 hectares at the head of Green's Clough. The site is bounded by open moorland on all three sides.

The site is underlain by Carboniferous Coal Measures strata. Coal seams have been worked in the vicinity of the site. The geological maps show no superficial deposits at the site, although hill peat is indicated on the higher ground bordering the site.

The waste disposal site comprises demolition rubble and foundry sands.

A major element of the Closure Report is determining the risk posed by the landfill site to the water environment, both in terms of surface water and groundwater. In order to design the monitoring system that the Closure Report requires, some knowledge has to be gained about the site and its setting, and how it interacts with the water environment. This requirement explains the purpose of this desk study report.

A ground investigation was commissioned that included boreholes to be drilled within the waste disposal site for the installation of combined gas and groundwater monitoring standpipes and also upstream and downstream, to be drilled outside the landfill site for the installation of long term groundwater monitoring standpipes.