

# Croston Remediation Study Lancashire

## Project Description Sheet



### Location

Croston, Lancashire

### Client

De Pol Associates

### Completed

June 2004

### Key Project Elements

Contaminated Land Study  
Risk Assessment  
Environmental Legislation  
Waste Management  
Remediation Design

PSA Design were commissioned to assess likely contamination of the site of a former gas works in Croston Lancashire. The land was to be developed for residential housing.

The three main by-products from the coal carbonisation process are ammoniacal liquor, coal tar and spent oxides. The pollution from gasworks sites is known to be carcinogenic and highly toxic.

The site is surrounded by residential developments, and a stream flows along the northern boundary of the site. Human health is at risk from ingestion, inhalation and skin contact, and controlled waters are at risk from off-site migration of contaminated groundwaters.

The fact that vapour pollution is still evident more than 50 years after closure of the gasworks, indicates that a do-nothing approach to the pollution problem is not credible.

Remediation of such sites is generally made viable by developing the site for residential use. Owing to the implementation of the Landfill Regulations, the costs of removing contaminated materials from site to landfill are escalating.

PSA Design provided a risk assessment for the various hazards on the site, consultation on current contaminated land legislation and waste management law and advice on remediation solutions.