

Touchline Brownfield Development

Project Description Sheet



Location

Red Scar, Preston

Client

Touchline Fabrications

Completed

November 2004

Key Project Elements

Contaminated Land Study
Risk Assessment
Environmental Legislation
Waste Management
Ground Investigation
Environmental Monitoring
Foundation Design
Remediation Design

PSA Design were commissioned to assess likely contamination of the site of a former Courtaulds Rayon Factory at the Red Scar Industrial Estate in Preston. The proposed development comprises a single storey workshop with an adjoining single storey office. The remainder of the plot is given over to hardstandings for vehicular goods in and goods out, and car parking.

The Touchline plot was occupied by the zinc recovery unit, the acid recovery unit, the triple effects unit, the box spinning unit, the east viscose caves, and the fan house. A pair of underground 6 m high fume ducts passed southwards through the site area to the fume scrubbing plant and the chimneys which were located beyond the southern perimeter of the plot.

A desk study was undertaken in response to a condition to the planning approval, which requires the risk of on-site contamination to be assessed. A preliminary conceptual model of pollutant linkages was made together with a qualitative risk assessment for each linkage.

A ground investigation was procured to provide information for foundation design. During this investigation, samples of Made Ground materials were taken and tested for common contaminants in relation to the risks to human health and any off-site disposal requirements, and also tested for aggressive chemicals that may affect structural elements in ground contact.

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.