

Remediation of Former Brickworks for Residential Development

Introduction

The development site comprised a former Brickworks and two clay pits.

The pit to the south of the site, had been backfilled in the 1980s–1990s, and fully restored; while the central area had been allowed to flood and was in use as a fishing lake. Disused buildings including the pan house, clay feed hoppers, clay conveyers, a boiler house, chimney, kilns and fuel storage tanks remained on site.

Our initial investigation identified elevated concentrations of arsenic and lead within the shallow made ground soils across the site.

Subsequent phases of investigation identified a potential hydrocarbon plume beneath the main brickworks buildings. However, on-site constraints, including a live electricity sub-station, cable runs and protected species on site restricted our work in investigating the extent of the plume.

Remediation

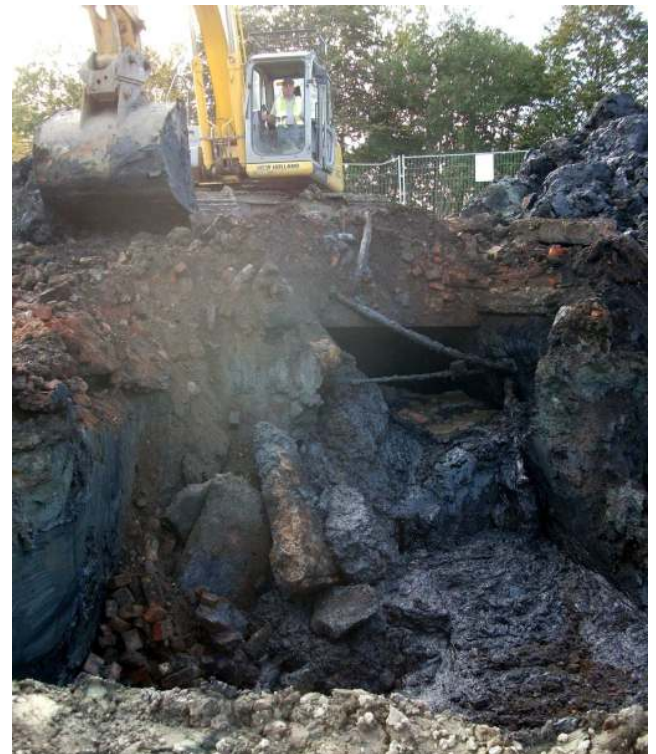
Following demolition, we were called to attend the site as a result of the discovery of potential hydrocarbon contamination beneath the footprint of the former buildings.

Further investigation revealed significant hydrocarbon contamination, which was believed to be associated with a creosote-dunking pit. Two underground brick structures containing a tar like substance were also found.

Laboratory analysis of the contaminated materials in the pits suggested that some of the material could be sent to a soil treatment facility rather than to landfill.

Verification

We were available to oversee the removal of the hydrocarbon-contaminated material as well as the removal of shallow made-ground from specified areas of the site. When this was completed, the client was provided with a verification report which satisfied the necessary planning conditions and allowed for the work to be signed-off by the regulators.



Southern Testing Head Office
East Grinstead
Tel: 01342 333100
enquiries@southernesting.co.uk

ST Consult Midlands
Northampton
Tel: 01604 500020
creaton@stconsult.co.uk

ST Consult North West
Warrington
Tel: 01925 661 700
warrington@stconsult.co.uk

ST Consult South West
Swindon
Tel: 01793 441 522
swindon@stconsult.co.uk