

Project Profile:

Remediation Strategy, Risk Assessment & Remediation of former Petrol Filling Station

Remada

Former Site Use: PFS

Value: £85,000

Due Diligence

Client: Tesco Express

Location: West Midlands

Desk Study

Intrusive Ground Investigation

Human Health Risk Assessment

Water Resource Risk Assessment

Mining Risk Assessment

Preliminary Foundation Design Recommendations

Remediation Strategies & Method Statements

Pre-acquisition Advice

Abnormal Cost Assessment

Materials Management Plans & Declarations

UST Decommissioning

Soil Bio-remediation

Soil Stabilisation

In-situ Groundwater Remediation

EA Remediation Permit

Verification & Completion Reports

Soil Treatment Facility

www.remada.co.uk

0845 505 5222

greg.jones@remada.co.uk
graham.wilson@remada.co.uk



Remada Ltd
The Courtyard
Barston Lane
Knowle
Solihull
B92 0HS

Registered in England
& Wales 08302458

Remediation costs for the proposed store prohibited redevelopment of a neglected former PFS and garage. The site was located adjacent to a river, with nearby residential dwellings and public open space. Remada was appointed to review site investigation and remediation reports and prepare a cost effective means of remediating the site.



Remada updated the human health risk assessment and prepared a detailed quantitative risk assessment for the protection of water resources based on further delineation of TPH and BTEX contamination in soil and groundwater. Environmental remediation requirements were then combined with the proposed earthworks profile and re-development programme to determine the most cost effective in-situ or ex-situ treatment options for the site. The Remediation Strategy was approved and implemented as a lump sum package of work.



Due to the adjacent river and variable groundwater levels beneath the site, Remada constructed a temporary barrier to enable excavation of USTs, pipework and relic foundations. Impacted soils were screen by photo-ionisation detector and removed from site for bioremediation at Remada's nearby Soil Treatment Facility. The sides and bases of all excavations were validated by chemical analysis prior to backfill with site won soils.

On completion of soil remediation, Remada conducted gas and soil vapour monitoring, and groundwater monitoring in order to confirm risk assessment parameters and prepare a verification report.

Regulatory liaison to ensure discharge of planning conditions was undertaken by Remada.