



RAW

Project Value: £95,000

Client:
T & P Regeneration Ltd

Technologies Used:

- Pump and Treat
- Chemical Oxidation
- In-situ bioremediation

Background:

- Petrol leakage from underground storage tanks was identified in 1997 after site closure
- The site was a former petrol filling station
- RAW was commissioned as a specialist subcontractor to undertake groundwater treatment
- RAW selected pump and treat for product recovery and chemical oxidation as the primary methodology for plume treatment

www.raw-group.com

Leicestershire: Former Filling Station

Combined Treatment Approach

Following a detailed review of the contamination and site conditions, the remediation strategy for the site was agreed to include tank removal, contaminated soil removal, pumping of free product and contaminated groundwater, followed by treatment of the plume of contaminated groundwater.

RAW undertook:

- Plume delineation
- Product recovery
- Chemical oxidation
- In-situ bioremediation
- Validation monitoring

Some 55 injection points were installed by a Sonic drilling rig for the chemical treatment of the plume. Subsequently, two injections of oxidants were undertaken into the aquifer. The last injection was combined with oxygen releasing compounds.

Successful Treatment

As a result of the chemical and biological treatment undertaken by RAW contaminant levels showed a significant reduction, with complete removal of the visible sheen and reduction in dissolved phase concentrations to between 0.5% and 5% of the pre-treatment levels.

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