

CASE STUDY CS778

PROJECT: *In-situ* Remediation of Soil and Groundwater
Severely Impacted by BTEX

CLIENT: International Chemical Manufacturer, South England

DURATION: Three Years

COST RANGE: £500k to £1,000k

STATUS: Completed and Validated



WORKS

- Design of remediation plant in line with information and brief from consultant.
- Project management and liaison.
- Manufacture, installation and commissioning of ATEX-compliant remediation equipment.
- Operation and maintenance of equipment.
- Provision of Environmental Permit and Environment Agency liaison.

SYNOPSIS

The former industrial chemical manufacturing was to be redeveloped for industrial and domestic usage. Soil and groundwater had suffered extensive contamination from volatile organic compounds (including benzene and vinyl chloride) over a treatment area of some 20,000m².

TRM constructed an extensive installation of surface laid collection pipework overlain by a purpose built impermeable barrier. The groundwater was sparged under a pre-determined regime, which liberated the volatile compounds for subsequent collection and destruction with an automated catalytic oxidiser which was optimised to operate in the auto-therm range.

This specified operating regime achieved efficient and effective remediation of the soil and groundwater. The entire system operated automatically by PLC with remote sensing, data acquisition and remote telemetry.



TRM

Email: mail@trm-ltd.com www.trm-ltd.com

Head Office: 18 Merlin Way, Quarry Hill Industrial Park, Ilkeston, Derbyshire DE7 4RA Tel: 44 (0)115 932 7222

Regional Office: Essence Buildings, 154 Cheltenham Road, Bristol BS6 5RL Tel: 44 (0)117 373 9128

TRM is the trading title of Telluric Remediation Management Limited.

Registered in England & Wales No. 0483 5289. VAT Reg. No. GB 842 2735 33. Registered Office 18 Merlin Way, Quarry Hill Industrial Park, Ilkeston, Derbyshire DE7 4RA

