

# Colwick Industrial Estate - Nottingham



**Project:**  
Contamination Remediation

**Location:**  
Colwick, Nottingham

**Client:**  
City Estates

**Consulting Engineer:**  
Alan Wood & Partners

**Project Value:**  
£12 million

## Description:

Since the 1960's large areas of Colwick Industrial Estate were used for bulk fuel storage serviced by a network high pressure pipelines from the North Sea. Since the recent decommissioning of the various fuel storage facilities, the area has been subject to numerous phases of Geo-Environmental investigation by Alan Wood & Partners. These identified significant hydrocarbon contamination of the underlying near surface soils and groundwater resulting from major historic leaks and spillages of hydrocarbons. The underlying groundwater is in direct hydraulic continuity with the nearby River Trent.

Alan wood & Partners have provided City Estates with specialist advise on the most effective and economic ways of remediating the site prior to its sale. This was achieved by

undertaking Phase 1 Desk Studies followed by targeted Phase 2 Intrusive investigations. The data from these investigations were utilized to provide ground water and human health detailed quantitative environmental risk assessments (DQRA).

Acting on behalf of their Client, Alan Wood & Partners negotiated with the Planners and the Environmental Agency to establish a reasonable level of remediation while safe guarding cost certainty for their Client.

The ongoing ex-situ remediation combined with bio-piling is being undertaken in conjunction with in-situ groundwater treatment. Geotechnical considerations are also required to provide suitable development platforms for the future.