

case study



This former dyes and chemical manufacturing facility housed an existing effluent treatment plant which had to be demolished as part of the redevelopment works.

Due to the contamination present at the site a temporary effluent treatment plant had to be installed with a capacity to treat up to 50 m³/hr of contaminated waters.

The replacement plant was designed and built in a modular design in order that it could be installed, commissioned and be fully operational within 24 hours of the existing plant being taken out of service.

Client

Design and build contractor

Site

Former dyes and chemical manufacturing facility, Huddersfield, West Yorkshire

Problem

Soils contaminated with hydrocarbons and chlorinated solvents. Surface waters and groundwater's contaminated with chlorinated solvents, aniline, phenols fluorocene and rhodamine

Technologies utilised

Ex situ biological treatment of soils, insitu treatment of groundwater by pump and treat and hydrogen release compounds. Inline pH Adjustment, flocculants and chemical dosing

Remediation criteria

Suite of soil and groundwater criteria set by independent consultant and Environment Agency. Discharge criteria set by Water Authority

Validation

Spot sampling and analysis by Water Authority

