

Petrol Station Remediated for Residential Use

Former Use:	Petrol Filling Station and car repair garage
Client:	Ashill Land Ltd
Area:	London Borough of Richmond upon Thames
Value:	Fixed Price All Risk

The remedial scheme was designed to break the source-pathway-receptor linkages between the identified impacts and the future residents and Controlled Waters).

The remedial works included:

- Dismantling of the former filling station canopy and associated hardstanding to facilitate the remediation works
- Removal of five underground storage tanks (UST) and associated fuel lines
- Removal of an above ground storage tank
- Removal of an oil-water separator
- Excavation and removal of soils that had been heavily impacted from hydrocarbons associated with the USTs and the oil-water separator
- Excavation and removal of the Made Ground in the east of the site where loose chrysotile asbestos fibres had been identified
- Installation of four sumps to reduce the oily product and associated dissolved phase hydrocarbon impact to the groundwater through a short duration period of total fluids pumping
- Extraction and treatment of groundwater from the four sumps using a mobile Oil Water Separator prior to discharge of treated water to foul sewer under discharge consent from Thames Water
- Installation of an additional six injection wells and four monitoring wells



- Two rounds of groundwater treatment using in-situ chemical oxidation
- Groundwater monitoring for a period of four months

Following remediation, planning permission was granted for six 4 bedroom and one 3 bedroom houses.

Our Fixed Price Solution was combined with a risk transfer insurance policy designed to protect future users and trustee owners of the site from future residual risk.