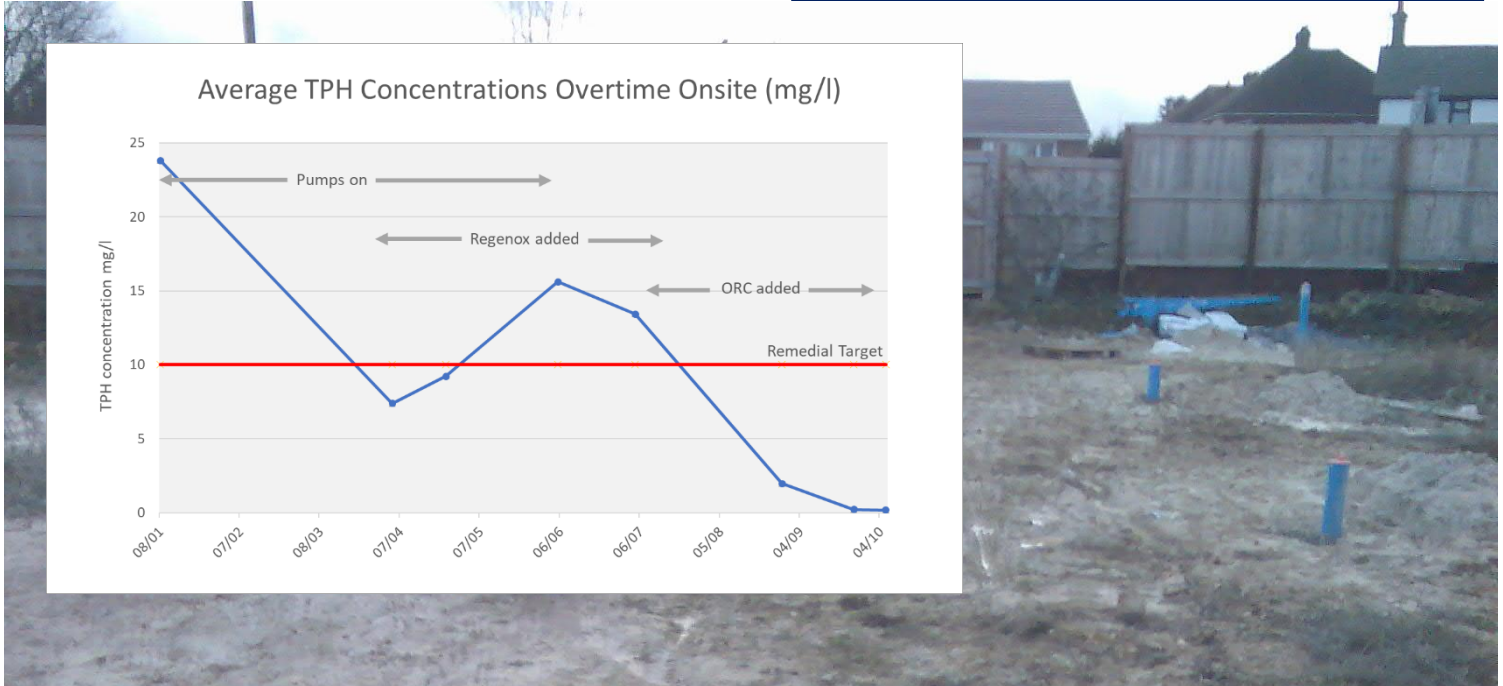


Remediation of Hydrocarbons in
 Groundwater
 Former Petrol Station, Hertfordshire



WDE Scope of Works:

- Targeted Site Assessment
- DQRA
- Remedial Options Appraisal
- Verification of Remedial Works
- Management of Remedial Contractor
- Regulatory negotiations to gain closure of project

Remedial Actions:

- Removal of tanks and impacted shallow soils
- Groundwater pump and treat
- Augmentation with Regenox and ORC

WDE Consulting Ltd (WDE) was appointed by the developer to manage the contamination issues associated with the redevelopment of a former petrol filling station. The site lay on a principal bedrock aquifer (chalk) and was proposed for residential development. A plume of dissolved petroleum hydrocarbon impact had been identified within the groundwater, emanating from the former underground storage tanks.

WDE held discussions with the regulatory authorities and a remedial criteria of 10mg/l TPH was agreed.

WDE made regular visits during the remedial works to monitor the improvement in groundwater quality and to provide guidance to the remedial contractor. This included a period of post remedial monitoring at the end that was undertaken to demonstrate compliance with the agreed criteria.

A Remedial Verification Report was prepared on completion of the works to demonstrate that the site had been made suitable for proposed residential use. Full discharge of the conditions of planning was quickly received from the Local Authority.