

Publication: Greener Business
Date: June 2011
Page: N/A
Circulation: N/A

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News

Geo2 trials new green method

Remediation experts Geo2 has announced the successful completion of a petrol forecourt remediation project utilising a new sustainable method for treating groundwater which requires no added chemicals and produces no solid waste for disposal.

The project involved treating groundwater contaminated with hydrocarbons at a petrol filling station in Barnoldswick in Lancashire, and trialled a treatment method never before seen in the groundwater remediation market.

The project, managed by SPAR distributors for the north of England, James Hall & Co., was to redevelop the Strand petrol filling station.

Based in Ferrybridge, West Yorkshire, Geo2 has over eight years experience in providing specialist remediation services throughout the UK and Ireland, and is the first company to pioneer this technology for groundwater treatment.

The potential of the new technology, developed by Arvia Technology, appealed to Geo2 Remediation who sought a long term replacement for expensive water treatment methods which utilise Granular Activated Carbon (GAC).

The system uses a patented alternative adsorbent to GAC, called Nyex. Nyex produces no solid waste for landfill because it is renewable; it can be completely regenerated by passing a small electrical current through it.

The petrol station site remediation project was highly successful; all the hydrocarbon contamination was removed from the groundwater and the running costs of the process were found to be low, around 3 pence per cubic metre of water treated.

Mark Swindells, director of Geo2 Remediation said: "We're always looking for more sustainable and cost effective methods of remediation, and we identified this process as a potentially more efficient alternative to traditional water treatment technology.

"We pride ourselves on pioneering new technology in our sector, as well as offering our clients the highest possible standards of service that are competitively priced, this is why many of our clients come back to us time and time again."