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Stephen Niven, property director, James Hall & Co

Spar site trials new eco remediation method

Geo2 has completed a forecourt remediation project using a groundbreaking new sustainable method for treating groundwater without added chemicals or solid waste for disposal.

The project, managed by Spar distributor James Hall & Co, involved treating groundwater contaminated with hydrocarbons at Strand petrol filling station in Barnoldswick in Lancashire, and trialed a treatment method “never before seen in the groundwater remediation market”.

Developed by Arvia Technology, the method appealed to Geo2 Remediation which sought a long-term replacement for expensive water treatment methods that use granular activated carbon (GAC). The new system uses a patented alternative absorbent called Nyex, which is renewable. It can be completely regenerated by passing a small electrical current through it.

All hydrocarbon contamination was removed from the groundwater at Strand and the running costs of the process were found to be low –



New technology uses patented absorbant Nyex

around 3p per cubic metre of water treated.

Stephen Niven, property director at James Hall & Co, said: “We’re constantly looking for more sustainable methods, so we were only too happy to trial this new green technology.”

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