



Remediation Specialists

Experienced evaluation, innovative solutions and efficient implementation.

CASE STUDY

In late 2007, Tesco began investigating the site of a former car and petrol retailing site in Bognor Regis, West Sussex. Environmental consultants Delta-Simons were brought in to assess the site for contamination, initially uncovering a hydrocarbon presence emanating from two underground tanks.

Mark Lunnon, a Project Manager at Delta-Simons explains:

“In March 2010 the last remaining structures on site were removed, allowing for a more thorough investigation of the ground and groundwater. At this point, two further underground tanks were found that did not appear on the site’s historical records, putting the local water body and wider water table at risk of contamination.” In light of these discoveries, we were able to conduct a quantitative risk assessment for Tesco before putting the remediation project out to tender.

“Geo² were selected for the remediation contract because of their practical and proficient approach. Their experience enabled them to effectively provide the answers we needed virtually on the spot, confidently pinpointing a treatment method that would deliver the required results within our client’s fixed redevelopment window.”

“Delta-Simons and Tesco were particularly impressed by Geo²’s attention to detail in producing a remediation method statement that far exceeded its remit, making our dialogue with the Environment Agency far more straightforward and efficient.”



Mark Swindells has over 12 years experience in the field of remediation and founded Geo² in 2003.

“Having worked on a number of similar projects in the past, we knew that Delta-Simons would be under pressure to deliver for Tesco on budget and on time. That’s why from the planning stage to completion of work, we tried to make the operation as uncomplicated and organised as possible.

“We arrived on site in mid-August 2010 and established the extent of the problem, recording a hydrocarbon contamination of 23mg/l of groundwater. The nature of the chalk aquifer beneath the site posed the added risk that the contamination could spread rapidly if left unchecked.



"Geo² not only delivered very effective results, but critically, thanks to their significant experience, they were sensitive to the operational requirements of everyone involved throughout."

Mark Lunnon, Project Manager,
Delta-Simons

Mark Lunnon explains the benefits of choosing Geo² for this project:

"The results of the treatment were impressive, amounting to a hydrocarbon reduction of 97%, far higher than we had experienced on previous projects using similar techniques. It always gives us a sense of pride to return to our clients with such notable figures, knowing they'll be happy to get on with construction."

"Working with clients the size of Tesco, who place significant demands on time and budgets, your reputation is on the line to an extent. I can honestly say however, that working with Geo² on this project has enhanced the credentials of Delta-Simons in this market."

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"They will be the first people we call about similar projects because, quite simply, their techniques work."

Mark Swindells of Geo² continues "Using direct push we delivered a bacterial inoculant solution and a catalysing Oxygen Release Compound at 44 injection points across the site, without needing to remove any soil for more costly ex-situ treatment."

"Because the ORC goes on working for a twelve month period, helping the aerobic respiration of the microbes we had introduced, we could confidently administer the treatment over the course of a week, then leave the site for the developers to get on with their work."



COMPLICATION



INVESTIGATION



COMPLETION



REMEDIATION

Geo² are award-winning specialists in groundwater and soil remediation.

For more information on their services, contact Mark Swindells on 01977 674113 or email mark.swindells@geo2.co.uk