



The
Geological
Society

servicing science & profession

Geological Society North West Regional Group
Institute of Civil Engineers

Joint Meeting

Thursday 5th December 2019

ice

Institution of Civil Engineers

Reclaiming the Emerson's Green Landfill to Enable Residential Development By Duncan Scott, Vertase FLI Ltd.

This talk shall give an overview of the Emerson's Green landfill reclamation project near Bristol, which is being undertaken by Vertase FLI Ltd to enable redevelopment of the site for a residential end-use. The landfill contained approximately 60,000m³ of commercial/industrial waste buried within a former valley during the 1980's and 90's on a dilute and disperse basis.



Remediation measures were implemented by Vertase FLI Ltd to manage unacceptable risks of harm to future site users, and pollution of the environment, posed by contamination within the buried waste. In addition to managing risks posed by contamination, the remediation works were designed to manage risks of ground instability, culminating in the creation of a geotechnically suitable development platform for use by follow-on contractors during the construction phase of the residential development.

The Regulatory and technical and operational challenges experienced during design and delivery of the project are considered within the talk, along with some of the innovative solutions adopted by the project team.



Speaker: Duncan Scott is the Technical Director of Vertase FLI Ltd. He has a PhD in Groundwater Remediation from the University of Nottingham and is a Chartered Fellow of the Geological Society of London. He is also a Registered Ground Engineering Professional. Specialising in the assessment and remediation of land contamination in the private sector over the last 12 years, Duncan has built up a wealth of experience in the multidisciplinary field of environmental remediation and its interface with ground engineering

Sandwiches and drinks from 6.00pm. Lecture starts 6.30pm

Venue: The Centre Birchwood Park, Warrington ,
WA3 6YN Tel: 01925 282 940
<http://www.thecentreatbirchwoodpark.co.uk/location.aspx>

Organised by the North West Regional Group of

For further information contact the group secretary, Catherine Kenny
at: Geologicalsociety.northwest@gmail.com