

Dr Brian Bone

Position in company

Associate of r3 environmental technology ltd. (in-house consultant)

Education

BSc (Hons) Applied Geology, Strathclyde University, 1983

PhD, Volcanology/Geochemistry, Lancaster University, 1987

Key areas of expertise

Contaminated land management – in particular soil and groundwater remediation, sustainable remediation

Waste management – end-of-waste, in particular for industrial residues (ashes, slags)

Groundwater risk assessment – using P20 and ConSim models

Leaching testing – applied to waste, soil and construction products

Recent professional experience

Independent oversight on a Technology Readiness Level Assessment and Options Appraisal for groundwater remediation technologies

Technical contribution to Defra project “A Risk/Benefit Approach to the Application of Iron Nanoparticles for the Remediation of Contaminated Sites in the Environment” (Client: r3 environmental technology ltd.).

UK specialist on CEN/TC154/Working Group 13 (dangerous substances)

Groundwater risk assessments for waste-derived construction materials to support an end-of-waste decision (Client: Environment Agency, working with wca environment ltd.)

Specialist advice on the use of recycled industrial residues in construction, including characterisation testing and data interpretation (Client: WRAP)

Development of practical guidance to support the use of the SuRF-UK sustainable remediation framework (Client: CL:AIRE, working with r3 environmental technology ltd.)

Delivery of remediation training podcasts on Options Appraisal and Stabilisation/Solidification (Client: CL:AIRE)

Development of a framework for verification of ex situ bioremediation (Client: National Grid, working as associate of r3 environmental technology ltd.)

Design of a specification and provision of expert oversight on a pulverised fuel ash lysimeter study and oversight on an incinerator bottom ash field trial (Client: Environment Agency)

Provision of specialist technical support for end of waste work (Client: Environment Agency)

Membership of professional bodies

Deputy Chair, CL:AIRE Technology & Research Group

Steering Group, Sustainable Remediation Forum, UK

Previous employment

2010 – present: Bone Environmental Consultant Ltd. Director

2005 - 2010: Environment Agency Principal Scientist (Contaminated Land)

2000 - 2005: Environment Agency Senior Site Engineer, National Groundwater & Contaminated Land Centre to Senior Scientist (Contaminated Land), EA Science Group

1997 - 2000: Environment Agency Scientific Support Team Leader,
Lower Severn Area

1996 - 1997: Environment Agency Area Environment Officer, Lower
Severn Area

1994 - 1996: Warwickshire County Council Waste Regulation Officer
(Landfill Gas)

1991 - 1994: Warwickshire County Council Landfill Gas Control
Engineer

1989 - 1991: British Geological Survey Geotechnical Geologist (Higher
Scientific Officer)