

In-Situ Chemical Oxidation Workshop Speaker Bios

March 15, 2011
Westford Regency, Westford, MA
and
March 16, 2011
Quinnebaug Valley Community College, Danielson, CT

Clarence "Tim" Andrews, P.G.

Project Manager
Nobis Engineering, Inc.
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Mr. Andrews is a New Hampshire Professional Geologist with over 14 years experience providing environmental consulting services, including: UST/AST closures, compliance assessments, site investigation, and treatment system design and remediation for petroleum and hazardous waste sites. He has utilized numerous cleanup technologies including soil excavation and treatment, dredging, AS/SVE, NAPL recovery systems, groundwater pump and treat, and in-situ chemical oxidation. As a Project Manager at Nobis Engineering, he is currently leading projects that include Region 1 Superfund Sites, Brownfields Environmental Site Assessments, and other state and commercial client sites across the Northeast. Mr. Andrews has a degree B.S. in Geology from the University of New Hampshire.

William Brandon

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William Brandon has been working as a geoscientist for over 25 years. This experience includes mineral resource exploration, nuclear waste repository characterization studies, water supply assessment and protection, and waste site characterization and remediation. He has been employed as a hydrogeologist with US EPA Region 1 since 1994. His interests and expertise include development of innovative characterization approaches and development of robust conceptual site models in support of remediation projects, including numerous innovative remedial pilot projects in bedrock. Mr. Brandon graduated from Vanderbilt University with a B.S. in Geology and from the University of Montana with an M.S. in Geology.

Gerald Cresap, P.E.

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Gerald Cresap is the Regional Engineering Manager for GES and is a registered professional engineer. His experience includes designing soil and groundwater remediation systems, conducting feasibility studies, and managing operation and maintenance of remedial activities. Over the past 20 years, he has developed and implemented innovative remedial technologies such as in-situ chemical oxidation and enhanced biological process. He is also working to incorporate sustainable and green remediation practices with a focus on efficiency and risk reduction. Mr. Cresap has a B.S. in Mechanical Engineering from the Georgia Institute of Technology.

Philip T. Harte, P.G.

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Philip T. Harte is a Research Hydrologist with the U.S. Geological Survey NH/VT Water Science Center. He has over 25 years of experience in studying groundwater contaminant transport. In addition to his USGS work, he has worked as a U.S. Naval Reservist on several environmental projects in the United States and abroad. Mr. Harte has a Bachelor's in Geology from Queens College and a Master's in Hydrology from University of New Hampshire.

Edward Hathaway

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Edward Hathaway has been a project manager for the Connecticut, Maine and Vermont Superfund Section at USEPA New England Region since 1989. He is a member of the EPA National Mining Team and Abandoned Mine Lands Team. His Superfund experience includes all phases of the program (enforcement, investigation, cleanup decision, design, implementation, operations, maintenance, and monitoring). Specific projects include: six landfill closures; one industrial mill complex; one military surplus junkyard; and five mine sites. Mr. Hathaway earned a B.S. in Business Administration from Suffolk University and a B.S. in Environmental Science from Northern Arizona University.

Douglas Larson, Ph.D., P.E.

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Dr. Doug Larson is a principal engineer at Geosyntec Consultants in Acton, MA, where he has managed the groundwater assessment and remediation practice for the past seven years. He is a Licensed Site Professional in Massachusetts with over 20 years of experience in environmental remediation. Dr. Larson currently focuses on the design and construction of systems that manipulate subsurface geochemical conditions to destroy or immobilize contaminants in place. He has designed and managed the implementation of a wide variety of remedial solutions, including bioremediation, chemical oxidation, multi-phase extraction (MPE), air sparging, groundwater extraction and treatment, and above-ground treatment of contaminated soils. Dr. Larson has taught courses at Tufts University and the University of

Massachusetts Lowell, and he lectures regularly at universities and conferences throughout the U.S. on remediation topics. He received his bachelor's degree in Civil Engineering from Carnegie Mellon University, and his Master of Science and doctoral degrees in Civil and Environmental Engineering from the Massachusetts Institute of Technology.

Michael C. Marley, L.E.P.

President
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Mike Marley is the President of XDD, LLC. He is a remediation technology expert with over 30 years of experience in environmental and civil engineering. Mr. Marley expertise focuses on strategies for site closure, including the development and application of innovative remediation technologies for contaminated soils and ground water. He has been at the forefront of developing design and application protocols for a number of in-situ technologies. As XDD's primary technical overseer, Mr. Marley is involved in all aspects of projects. Mr. Marley lectures nationally on the design and application of innovative technologies for VOCs, SVOCs and in-organics including metals. He has been responsible for the modeling support, review or design of several hundred pilot and full scale remediation systems as well as the completion of numerous bench scale treatability studies. Mr. Marley performed his doctoral research work and received his M.S. in Civil and Environmental Engineering from the University of Connecticut and his B.S. in Civil Engineering from Queens University in Belfast, Northern Ireland.

Ian Osgerby, Ph.D.

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Dr. Ian Osgerby is the senior chemical engineer and innovative technology advocate for the New England District of the US Army Corps of Engineers, based in Concord, MA. He has presented papers in many symposia and conferences on subjects as diverse as thermal desorption and/or destruction, bioremediation, chemical oxidation, electric resistive heating, groundwater treatment including perchlorate treatment technologies. He represents the government on domestic and international committees on remediation and chemical oxidation, including SERDP/ESTCP and ITRC and has chaired sessions on ISCO at Battelle, Monterey/CA and UMass, Amherst/MA. He was a primary contributor to the ITRC revised ISCO Tech Reg document, responsible for the assembly and production of a web based ISCO collection of vendor case studies for the EPA and continues to encourage development of the state of the art in ISCO through personal involvement with vendor applications of chemical oxidants. Dr. Osgerby has a B.S. in Chemical Engineering and Fuel Technology and a Ph.D. in Fuel Technology from the Sheffield University, Sheffield, Yorkshire, England.

Brant Smith, Ph.D.

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Dr. Smith specializes in water chemistry and hazardous waste remediation with a particular emphasis on in situ chemical oxidation and reduction technologies. He is Director of XDD's treatability laboratory and responsible for the design and implementation of in situ remediation projects. The results of his research have been published in journals including *Environmental Science and Technology*, *Journal of Contaminant Hydrology*, *Environmental Toxicology and Chemistry*, *Journal of Environmental Engineering* and he has made numerous presentations at international conferences. Dr. Smith is also a Co-Principal Investigator for a research grant awarded by through the Strategic Environmental Research and Development Program (SERDP) and is a chapter co-author for the upcoming book *In Situ Chemical Oxidation for Groundwater Remediation*. Dr. Smith earned an M.S. and a Ph.D. in Civil Engineering from Washington State University, and a B.S. in Civil Engineering and Economics from Worcester Polytechnic Institute.

Richard Spiese

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Richard Spiese has been working as a site manager for the Vermont Waste Management Division for over 20 years. He has managed hundreds of site investigation and remediation projects during this time. For the last twelve years he has been a member of the ASTSWMO LUST Task Force, serving as a co-chair for this committee for the last ten years. He has also been a member of the Vermont Hazardous Materials Response Team and the Agency Spill Response Team for many years. Mr. Spiese graduated from the Pennsylvania State University with a B.S. in Geological Sciences and has taken numerous Masters-level classes at the University of Vermont.
