



SMART ENVIRONMENTAL REMEDiation TECHNOLOGIES

Green, Sustainable, In Place and Effective
-The Future is Now-

Sheraton Bradley Airport Hotel
8:00AM-6PM
July 23, 2008

-SPEAKERS-

- Dr. Colin Horwitz, Green Oxidation Institute, Carnegie Mellon University
- Dr. George Hoag, Director of Research and Development, VeruTEK
- Dr. Philip Block, Technology Director, FMC Corporation
- Scott Saroff, Principal Technologist (Remediation), CH₂M Hill
- Dr. Sandra Hill, Research Scientist, VeruTEK
- Dr. N. N. Mallikarjuna, Research Scientist, USEPA Risk Management Lab
- William Guite, P.E., Field Operations Manager, VeruTEK
- James Cummings, USEPA Technology Innovation Program
- Dr. John Collins, President and CEO, VeruTEK

7:30 – 8:00	REGISTRATION	
8:00 – 8:15	Welcome to VeruTEK’s Smart Environmental Remediation Workshop	Dr. John Collins VeruTEK
8:15 – 8:45	Zero Impact/Zero Liability – The Future of Environmental Remediation	Dr. John Collins VeruTEK
8:45 – 9:15	Trends and Developments in Hazardous Waste Site Remediation	James Cummings USEPA
9:15 – 9:45	Review of Innovative Technologies at NAPL Sites	Scott Saroff CH ₂ M Hill
9:45 – 10:15	Controlling Groundwater Plumes and Soil Vapor	Dr. George Hoag VeruTEK
10:15 – 10:30	BREAK	

Clean Solutions For a Clean Environment

**“Work for something because it is good,
not just because it stands a chance of success.”
-Vaclav Havel**

10:30 – 11:00	Plant Surfactants – Why and How	Dr. John Collins VeruTEK
11:00 – 11:30	Oxidants – Persulfate, Peroxide and Others	Dr. Philip Block FMC
11:30 – 12:00	Implementing Surfactant-Enhanced In Situ Chemical Oxidation (S-ISCO)	Dr. George Hoag VeruTEK
12:00 – 1:00	LUNCH	
12:00 – 12:30	New Types of Laboratory Data in Environmental Remediation	Dr. Sandra Hill VeruTEK
12:30 – 1:00	Modeling Transport to Target Remediation of Contaminants – Designer Surfactant/Oxidants and Density –Driven Flow -	Dr. George Hoag VeruTEK
1:00 – 1:45	Facilitated Recovery of NAPL	William Guite, P.E. VeruTEK
1:45 – 2:30	Green Synthesis of Nanometal Particles	Dr. N. N. Mallikarjuna USEPA
2:30 – 3:15	Difficult Systems (Clays and Bedrock!)	Dr. George Hoag VeruTEK
3:15 – 3:30	BREAK	
3:30 – 4:15	Green Oxidation Catalysts	Dr. Colin Horwitz Carnegie Mellon University
4:15 – 5:00	New Technologies – What to Expect	Dr. John Collins VeruTEK
5:00 – 6:00	Closing Remarks and Discussion	Dr. John Collins VeruTEK
6:00	DINNER BANQUET	

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