

Advanced Tools for In-Situ Remediation Workshop Schedule

October 20, 2010 – Oakland, CA

- 7:30am Registration**
- 8:00 Overview for Day**
- 8:10 Module 1: Basic Microbiology and the Stable Isotopes Tool Box**
Mike Hyman, PhD., NC State University
- 9:00 Module 2: Biodegradation of Chlorinated Solvents and Fuel Oxygenates**
Mike Hyman, PhD., NC State University
- 9:40 Break**
- 9:55 Module 3: Introduction to Compound Specific Isotope Analysis (CSIA)**
Robert Pirkle, PhD., Microseeps, Inc
- 10:15 Module 4: Application of Compound Specific Isotope Analysis to Degradation**
Robert Pirkle, PhD., Microseeps, Inc
- 10:35 Module 5: Applications of Stable Isotope Analyses: Data Interpretation and Data Quality Issues**
John T. Wilson, PhD., USEPA
- 12:05pm Lunch**
- 12:50 Module 6: Compound Specific Isotope Analysis Applied to Forensic Problems**
Robert Pirkle, PhD., Microseeps, Inc
- 1:15 Module 7: Using CSIA Data to Predict Plume Behavior and Manage Sites**
Joe Haas, NY State Office of the Attorney General
- 1:45 Module 8: The Molecular Biology Toolbox: Theory and Applications**
Mike Hyman, PhD., NC State University
- 2:20 Break**
- 2:35 Module 9: Applications of Advanced Tools - Bio-Traps and other Advanced Tools**
Greg Davis, Microbial Insights, Dr. Kerry Sublette, University of Tulsa
- 3:30 Module 10: Case Studies Integrating CSIA into Site Decision Making**
Tim Buscheck, Chevron Energy Technology Company
- 4:20 Module 11: Case Study for the Use of Advanced Tools – A Panel Presentation**

Dr. Mike Hyman, NC State University
Dr. Robert J. Pirkle, Microseeps, Inc.
Joe Haas, NY State Office of the Attorney General
Dr. Kerry Sublette, University of Tulsa
Greg Davis, Microbial Insights
Tim Buscheck, Chevron Energy Technology Company
- 5:00 Adjourn**