

Additional Course Details

This is a 4 hour CEU short course for the Environmental Professional. You will receive detailed exposure to tested advanced strategies for employing specific methods, processes and technologies for the assessment and remediation of acute environmental impacts stemming from the release of oxygenated motor fuels. If you require additional information regarding course curriculum, contact Joseph Haas at 631-223-3217.

Interested in The Course?

If you are interested in this course please let us know by contacting us at the numbers listed above or send an e-mail to GlobalHydroServ@optonline.com

Questions About Solutions via Applied Science Associates?

Contact J. E. Haas at (631) 223-3217 or globalhydroserv@optonline.net or visit our web site: www.globalhydroserv.com

Who are Solutions via Applied Science Associates?

Formed in 2004, as a division of Global Hydrologic Services, Inc., Solutions via Applied Science Associates (SVASA) is comprised of a consortium of environmental professionals, interdisciplinary researchers and academics. The mission of SVASA is to provide technical training resources to disseminate both cutting edge and tested best practice methods for addressing complex issues in environmental management and hydrology.



What is Global Hydrologic Services?

Global Hydrologic Services, Inc. is a professional services corporation dedicated to providing, and advancing, industry standards to solve the most vexing technical and regulatory problems facing the hydrologic and environmental communities the world over.



Solutions via Applied Science Associates

Prospective Supporters of the MTBE & TBA Class:

The Association of Engineering Geologists
American Petroleum Institute
Long Island Groundwater Research Institute
Global Hydrologic Services, Inc

MTBE & TBA CLASSROOM TRAINING

MTBE & TBA:

Comprehensive Strategies for Assessment and Remediation of Acute Environmental Impacts

Short Course Proposal



Coming to Select Venues Starting Fall 2005



Course Outline

7:00 AM – 8:00 AM

Onsite Registration

8:00 AM – 8:45 AM

Physical Properties & Analytical Methods

8:45 AM – 9:30 PM

Impact Investigation Strategy, Characterization Methods, Assessment Tools and Conceptualization

9:30 AM – 10:15 AM

Biodegradation: Processes and Influences on Contaminant Fate and Remediation

10:15 AM – 10:30 AM

Break

10:30 AM – 11:15 AM

In-Situ Remedial Techniques & Example Applications

11:15 AM – 12:00 Noon

Ex-situ Remedial Techniques & Example Applications

Who Should Attend

This class is designed primarily for the environmental professional and their immediate management and technical support staff. However, state regulators, federal project managers, industry representatives, and community stakeholders will benefit greatly from the in-depth technical and case study-based curriculum. Register early to ensure your spot in this course. Participation will be handled on a first-come, first-served basis.

Groundwater contamination from fossil-derived fuels is widespread throughout the United States. While there is a wealth of scientific information and conventional technology available for treating fuel hydrocarbons like benzene, toluene, ethyl benzene, and xylenes, substantially less is known about fuel constituents such as methyl-tert-butyl ether (MTBE), tert-butyl alcohol (TBA), and other oxygenates that are often blended in gasoline to increase octane ratings and reduce harmful, air-polluting combustion byproducts.

Solutions via Applied Science Associates has designed this half-day training course to enhance your professional awareness of all technical issues related to acute impacts of MTBE and TBA. A balanced program offering both theoretical and tested field based examples covering site characterization, remediation, and technology implementation. This course has been approved by several state boards of engineering/geology in fulfillment of 4 continuing education units (CEUs).

Fee

\$250.00 - Each student receives a course manual and reference CD.

Registration Instructions

Course registration details will be announced in May 2005.

Hotel Accommodations

Hotel information will be provided in May 2005.

Ground Transportation

Hotel information will be provided in May 2005.

Course Instructors

Joe Haas

Joe has 15 years experience working as a state regulator managing a remedial section. He holds both Engineering Geologist and Hydrogeologist specialty licenses. He graduated with a B.S. in Geology from SUNY, Plattsburgh in 1988. He received a M.S. from SUNY, Stony Brook in Hydrogeology in 1997 where he researched the speciation of iron and manganese in ground water contaminated by petroleum. Joe has been collaborating with SUNY Stony Brook's Long Island Groundwater Research Institute to provide technical assistance and training to technical and regulatory groups inside and outside of his home state of New York. Joe has been involved in research with representatives of the United States Environmental Protection Agency and the United States Geological Survey. These research efforts have been credited as having made significant contributions to the understanding of the characteristics of MTBE in the sub-surface environment and having influenced the national debate on the use of MTBE in gasoline. The Office of Research and Development acknowledged his contributions, in 2002, in the form of an award for Exceptional Support to ORD.

Michael Hyman

Dr. Mike Hyman is currently an Associate Professor in the Department of Microbiology at North Carolina State University, Raleigh. Mike has 20 years experience in the characterizing microbial biodegradation processes and the isolation and characterization of novel bacterial strains. Mike holds a B.Sc. from University College, London (UK), a Ph.D. from Bristol University (UK) and an M.B.A. from Oregon State University. Mike has published 50 papers in peer-reviewed journals and has served as PI or CoPI on over \$3 million of grant funds. His research experience includes studies on microorganisms active in the nitrogen cycle (nitrifying and nitrogen-fixing bacteria) as well as microorganisms involved in the degradation of chlorinated solvents, fumigants, polyaromatic hydrocarbons, ethers and gasoline components. His current research focuses on the biodegradation of MTBE, TBA and other ethers and the role of cometabolism in hydrocarbon biodegradation processes. Mike has extensive experience in interacting with the environmental engineering community and USEPA and has served as a classroom trainer with the ITRC "MTBE and Other Fuel Oxygenates team" for over 2 years.