

**Horizontal Remediation Wells for Improved Site Cleanup  
Training Workshop Schedule for 2013**

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**Locations and Dates**

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**January 22, 2013**

**Boston, MA area**

CT LEP and MA LSP credits  
pending

**February, 26, 2013**

**Jacksonville, FL**

**April 16, 2013**

**Edison, NJ area**

**April 30, 2013**

**San Francisco, CA area**

**May 14, 2013**

**Chicago, IL area**

**October 15, 2013**

**Leesburg, VA area**

**October 29, 2013**

**Dallas TX area**

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Would you like some additional information on Horizontal Remediation Wells before the workshops begin?

Click on the links below for case studies on various applications and topics:

[First horizontally drilled Electrical Resistance Heating System!](#)

[Horizontal Wells allow Rapid Clean up of R&D Facility Gasoline Release](#)

Directional Technologies, Inc., the global leader in environmental directional drilling, is scheduling training workshops in 2013. Horizontal Remediation Well technology has improved significantly over the past five years. The training workshops will discuss improvements in Horizontal Directional Drilling technology and how this technology can be applied to improve site cleanup using existing technologies and newer remedial technologies.

Please call Mary Powers at (203) 294-9200 or email [mpowers@directionaltech.com](mailto:mpowers@directionaltech.com) to reserve a seat. Seats will be limited.

**Preliminary Agenda**

8:30-9:00	Registration
9:00- 9:30	Introduction to Horizontal Remediation Wells (HRW)
9:30-10:00	Site Considerations when Using Horizontal and Vertical Wells
10:00 -10:30	Soil-Vapor Extraction and Air Sparge Systems using HRW
10:30-10:45	Break
10:45-11:15	Vapor Mitigation Systems Using Horizontal Wells
11:15-11:45	Designing ISCO, S-ISCO and ISCR Systems Using HRW
11:45-12:15	Designing Surfactant-Enhanced Extraction Using HRW
12:15-12:45	Designing Thermal Treatment Systems Using Horizontal Wells
12:45-1:00	Panel Discussion
1:00-1:30	Lunch
1:30-3:00	Multiphase Extraction Using Horizontal Wells Sequential Treatments Using Horizontal Wells Innovative Remediation Technologies Using Horizontal Wells
3:00-3:15	Panel Discussion
3:15-3:30	Break
3:30-4:00	Modeling Flow in Horizontal Wells
4:00-4:30	Metal Cleanup Using Horizontal Wells
4:30-5:00	Panel Discussion
5:00-7:00	Drinks, Appetizers and Networking

**Instructors**

**Mr. Michael Sequino** is Senior Vice President and Principal Engineer at Directional Technologies. He began his career drilling in the oil fields of the Gulf of Mexico and the North Sea. His technical training and experience provided him with an excellent foundation in the practical knowledge of geology and formations. As principal engineer, Mr. Sequino is responsible for providing each client with site specific, cost-efficient, premium quality, horizontal well systems. He provides design support

[Radial Horizontal Well System  
Targets Specific LNAPL  
Viscosities in Multiple Product  
Plume](#)

[Horizontally Drilled Well Screens  
Solve Subslab Problems](#)

[Directional Technologies, Inc.  
conducts unique horizontal  
remediation well installation in  
Railroad Yard](#)

[Horizontal Air Sparge Wells  
Solve Access Limitations  
Beneath Air Field Tarmac](#)

[Plume Control under a City  
Building – Vapor Intrusion  
Mitigation](#)

[Additional International  
Conferences and Symposium  
Presentations](#)

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that wasn't posted above?  
Contact us at  
[ksequino@directionaltech.com](mailto:ksequino@directionaltech.com) or  
1-877-788-4479 and we will send  
it to you.

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consulting and construction review to engineering firms and consultants as well as site supervision for complex installations. He has over 28 years experience in directional drilling and has installed over a 1,000 horizontal wells for the private sector and at Federal Superfund sites and is familiar with all phases of the regulatory process.

**Dr. George Losonsky** is the Principal Hydrogeologist at Directional Technologies. Dr. Losonsky has over 25 years of experience in environmental problem solving and management. Through his academic background and work experience he has gained in-depth, working knowledge of the physical and chemical mechanisms governing groundwater flow and production, aquifer management, and contaminant fate and transport in soil and groundwater. He has designed, installed, tested and rehabilitated numerous directionally drilled wells subsurface remediation. He has developed and managed soil and groundwater remediation programs at military bases, chemical plants, dry cleaning facilities, petrochemical refineries, fuel storage facilities, hazardous waste landfills, food processing plants, pharmaceutical industry facilities, and steel manufacturing factories. He has assisted in the development of state and regional environmental assessment, remediation, and risk evaluation programs for the dry cleaning and retail petroleum industries.

**Dr. John Collins** is Vice President of Technology and Product Development and Principal Scientist at Directional Technologies, Inc. Dr. Collins is a Soil Chemist with over 20 years of environmental project experience. He is responsible for developing new technologies around horizontal well technology. He is also responsible for partnerships with technology companies and for developing synergistic relationships between new product companies and DTI. Dr. Collins was the founding CEO with VeruTEK Technologies, a green technology company, and is currently a member of its Board of Directors. His primary expertise is the application of surfactant chemistry, oxidant chemistry, in-situ and ex-situ nanoparticle formation to clean up contaminated buildings, soil, groundwater, oceans and sediments and in enhanced oil recovery (EOR) applications. He is coinventor of four patented inventions and nine pending patents that involve the synthesis of microemulsions, coated nanoparticles, and stabilization of oxidants for the purpose of sustainable environmental remediation and enhanced oil recovery.