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# Workshop at a Glance

*Evening*

*Monday, November 13, 2000*

*Pre-function Hall -- 5:00pm - 9:00pm*

**Early Registration**

*Master's and U.S. Open -- 5:00pm - 9:00pm*

**Exhibit and Poster Setup**

*Morning*

*Tuesday, November 14, 2000*

*Pre-function Hall -- 7:00am - 8:00am*

**Registration**

*Atrium/Lounge -- 8:00am - 8:30am*

**Workshop Welcome**

*Richmond I -- 8:45am - 12:00pm*

**Session I -- Tanks Panel Session**

*Richmond II -- 8:45am - 12:00pm*

**Session II -- Using Risk for Remedial Decisions Panel Session**

*PGA East -- 8:45am - 12:00pm*

**Session III -- Sampling Panel Session**

*PGA West -- 8:45am - 10:15am*

**Session IV -- Recycle / Reuse Panel Session**

*PGA West -- 10:30am - 12:00pm*

**Session V--Enhanced Performance Through Collaboration Between the Pollution Prevention Program and the Office of Science and Technology**

*British Open -- 8:45am - 12:00pm*

**Session VI -- SCFA in the 21st Century: Identifying Opportunities for Partnership and Progress**

*Amphitheater -- 8:45am - 12:00pm*

**From Paper to Progress -- Putting Decision Making in the Forefront of Environmental Restoration and Property Transfer Programs**

*Afternoon*

*Tuesday, November 14, 2000*

*Richmond I -- 1:00pm - 5:00pm*

**Session VII -- ASTD: Building Partnerships for Success Panel Session**

*Richmond II -- 1:00pm - 5:20pm*

**Session VIII -- Cost Engineering Session**

*PGA East -- 1:00pm - 5:00pm*

**Session IX -- Vadose Zone Panel Session**

*PGA West -- 1:00pm - 5:00pm*

**Session X -- Project Management/Value Engineering Panel Session**

*Amphitheater -- 1:00pm - 5:00pm*

**Session XI -- Stewardship: Policy and Program Perspectives Panel Session**

*British Open -- 1:00pm - 5:00pm*

**Session XII -- SCFA: Natural Remediation Processes: Lessons Learned through Research, Development, and Application**

*Master's and U.S. Open -- 5:00pm - 7:00pm*

**Workshop "Mixer" Poster Session**

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# Workshop at a Glance

*Morning*

*Wednesday, November 15, 2000*

*Richmond I -- 8:30am - 11:15am*

**Session XIII -- FRAMES Demonstration Session**

*Richmond II -- 8:30am - 11:15am*

**Session XIV -- Overcoming Barriers to Long-term Monitoring Technology Deployment**

*PGA East -- 8:30am - 11:15am*

**Session XV -- ITRD Panel Session**

*PGA West -- 8:30am - 11:15am*

**Session XVI -- GIS Panel Session**

*Amphitheater -- 8:30am - 11:15am*

**Session XVII -- Long Term Stewardship: Lessons Learned Panel Session**

*British Open -- 8:30am - 11:15am*

**Session XVIII -- Regulator/Stakeholder Panel Session**

*Atrium - 11:30am - 12:45pm*

**Keynote Luncheon**

*Afternoon*

*Wednesday, November 15, 2000*

*Richmond I -- 1:00pm - 4:30pm*

**Session XIX -- Emerging Waste Management Practices Panel Session**

*Richmond II -- 1:00pm - 4:30pm*

**Session XX -- Ground Water Panel Session**

*PGA East and West -- 1:00pm - 4:30pm*

**Session XXI -- SRS Facility Disposition Program Session**

*Amphitheatre -- 1:00pm - 4:30pm*

**Session XXII -- Innovative Remedial Technologies Panel Session**

*British Open-- 4:45pm - 5:30pm*

**Workshop Closeout**

*Thursday, November 16, 2000*

*7:30am - 2:30pm*

**Tour of Savannah River Site**

*Richmond I and II -- 7:30am - 3:00pm*

**EM Integration Project Management Team Meeting**

*PGA East and West -- 8:00am - 12:00pm*

**ER Managers Meeting**

*Amphitheater -- 8:00am - 5:00pm*

**The National Deactivation and Decommissioning Committee Meeting**

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# Workshop Sessions

*Evening*

*Monday, November 13, 2000*

*5:00pm - 9:00pm -- Pre-function Hall*

**Early Registration**

If you plan to be in Augusta on Monday, stop by, join us for coffee, and register early! This will save you time and standing in the long lines Tuesday morning.

*5:00pm - 9:00pm -- Master's and U.S. Open*

**Exhibit and Poster Setup**

Please stop by the registration desk for your space assignment.

*Morning*

*Tuesday, November 14, 2000*

*7:00am - 8:00am -- Pre-function Hall*

**Registration**

*8:00am - 8:30am -- Front Lobby/Lounge*

**Workshop Welcome**

Mary McCune, Remediation Engineer, U.S. Department of Energy, Headquarters

Patty Bubar, Associate Deputy Assistant Secretary for Integration and Disposition, U.S. Department of Energy, Headquarters

Cynthia Anderson, Director of Environmental Restoration, U.S. Department of Energy, Savannah River Operations Office

Thomas Heenan, Assistant Manager for Environmental Science and Technology, Savannah River Operations Office

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# Workshop Sessions

Morning

Tuesday, November 14, 2000

*Richmond I -- 8:45am - 12:00pm*

**Session I -- Tanks Panel Session**

**Thomas Gutmann, U.S. Department of Energy, Savannah River Operations Office**

8:45am - 9:00am

**Welcome and Introductions**

*Thomas Gutmann, U.S. Department of Energy, Savannah River Operations Office*

9:00am - 9:25am

**Application of FWENC Stabilization Process to Enhance Treated Radioactive Sludge Leach Resistance in Surrogates and Actual Sludges**

*Roger D. Spence, Oak Ridge National Laboratory*

9:25am - 9:50am

**In Situ Plasma Remediation of Underground Storage Tanks**

*Louis J. Circeo, Georgia Tech Research Institute*

9:50am - 10:15am

**In-Line Monitoring of Slurry Transport Properties**

*Tom Hylton, Oak Ridge National Laboratory*

10:15am - 10:30am

**BREAK**

10:30am - 10:55am

**Alternative HEPA Filter Media**

*Duane Adamson, Westinghouse Savannah River Company*

10:55am - 11:20am

**Overview of SRS Developed Remote Tank Technologies and Tools**

*Steven Tibrea, Westinghouse Savannah River Company*

11:20am - 11:45am

**Determination of Corrosion Species in High-Level Nuclear Wastes Using Raman Spectroscopy**

*David T. Hobbs, Westinghouse Savannah River Company*

11:45am - 12:00pm

**Open Discussion**

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# Workshop Sessions

Morning

Tuesday, November 14, 2000

*Richmond II -- 8:45am - 12:00pm*

**Session II – Using Risk for Remedial Decisions Panel Session**  
**Jerry Nelsen, U.S. Department of Energy, Savannah River**

8:45am - 9:00am

**Welcome and Introductions**

*Jerry Nelsen, U.S. Department of Energy, Savannah River*

9:00am - 9:25am

**Human Health Risks Of Heat Stress Encountered During Remediation Activities**

*Wayne S. McKenna, Sandia National Laboratories*

9:25am - 9:50am

**Successful Risk-Based Decision Making at Fort Campbell-A Model for Success**

*Dennis Miller, Advanced Infrastructure Management Technologies (AIMTech), Lockheed Martin Energy Systems*

9:50am - 10:15am

**Evaluation of Foodweb Modeling at the INEEL**

*Robin Lee VanHorn, Idaho National Engineering and Environmental Laboratory*

10:15am - 10:30am

**BREAK**

10:30am - 10:55am

**Are We Paying too Much to Reduce Radiological Risks?**

*Herbert Inhaber, Risk Concepts*

10:55am - 11:20am

**Evaluating the Behavior of Chlorinated Hydrocarbon Plumes in Ground Water Using Plume Population Studies**

*Walt W. McNab, Lawrence Livermore National Laboratory*

11:20am - 11:45am

**Successful Risk-Based Alternative Studies for the High-Level Waste and Facility Disposition EIS**

*A. Unione, Enercon Services, Inc.*

11:45am - 12:00pm

**Open Discussion**

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# Workshop Sessions

Morning

Tuesday, November 14, 2000

PGA East -- 8:45am - 12:00pm

## Session III -- Sampling Panel Session

**Phil Prater, U.S. Department of Energy, Savannah River Operations Office**

8:45am - 9:00am

### **Welcome and Introductions**

*Phil Prater, U.S. Department of Energy, Savannah River Operations Office*

9:00am - 9:25am

### **Well Redundancy Assessment with Geoscience and Geostatistics**

*Cary Tuckfield, Westinghouse Savannah River Company*

9:25am - 9:50am

### **Using Cone Penetrometer Technologies to Characterize Radiological Waste Sites**

*Wes Bratton, Applied Research Associates, Inc.*

9:50am - 10:15am

### **Cost-Effective Sampling Using the EasyPump at LLNL**

*Greg Howard, Lawrence Livermore National Laboratory*

10:15am - 10:30am

### **BREAK**

10:30am - 10:55am

### **Characterization of Under Building Contamination at Rocky Flats Environmental Technology Site using Horizontal Directional Drilling and Environmental Measurement while Drilling**

*Annette Primrose, Kaiser Hill/Rocky Flats Environmental Technology Site*

10:55am - 12:00pm

### **Open Discussion**

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# Workshop Sessions

*Morning*

*Tuesday, November 14, 2000*

*PGA West -- 8:45am - 10:15am*

**Session IV -- Recycle / Reuse Panel Session**  
**Michael Gresalfi, Oak Ridge National Laboratory**

*PGA West -- 10:30am - 12:00pm*

**Session V--Enhanced Performance Through Collaboration Between the Pollution Prevention Program and the Office of Science and Technology**  
**John Lum, U.S. Department of Energy, Headquarters**

*British Open -- 8:45am - 12:00pm*

**Session VI -- SCFA in the 21st Century: Identifying Opportunities for Partnership and Progress**  
**Jim Wright, U.S. Department of Energy, Savannah River Operations Office**

8:45am - 9:00am

**Introductions and Overview**

*Jim Wright, U.S. Department of Energy, Savannah River Operations Office*

9:00am - 9:15am

**The Changing Nature of Innovative Technology Required to Meet Site Needs**

*Malcolm Siegel, Sandia National Laboratories*

9:15am - 9:30am

**The Changing Nature of Site Needs**

*Dale Pflug, Argonne National Laboratory*

9:30am - 9:45am

**Meeting Future Needs through Technical Assistance**

*Jack Corey, Westinghouse Savannah River Company*

9:45am - 10:15am

**Facilitated Discussion**

10:15am - 10:30am

**BREAK**

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# Workshop Sessions

Morning

Tuesday, November 14, 2000

*British Open -- 8:45am - 12:00pm*

**Session VI -- SCFA in the 21st Century: Identifying Opportunities for Partnership and Progress -  
Jim Wright, U.S. Department of Energy, Savannah River Operations Office  
(Continued)**

10:30am - 10:45am

**Science Advancing Solutions into the 21st Century**

*Mark Gilbertson, U. S. Department of Energy, Savannah River Operations Office and Chet Miller,  
U.S. Department of Energy, Headquarters- tentative speakers*

10:45am - 11:00am

**Identifying Opportunities for Applied Research**

*Karen Cohen, U. S. Department of Energy, National Energy Technology Laboratory*

11:00am - 12:00pm

**Open Discussion and Wrap-up**

*Amphitheater -- 8:45am - 12:00pm*

**From Paper to Progress -- Putting Decision Making in the Forefront of Environmental  
Restoration and Property Transfer Programs  
Richard Dailey and Steven Golian, U.S. Department of Energy, Headquarters**

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**12:00pm - 1:00pm**

**LUNCH ON YOUR OWN**

**The Sheraton Augusta Hotel has arranged to open their Atrium with a special buffet  
set up for TIE Workshop attendees. The price of the luncheon buffet will be  
\$10.00 per person and includes tax and tip.**

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

*Richmond I -- 1:00pm - 5:00pm*

**Session VII -- ASTD: Building Partnerships for Success Panel Session**

**Kurt Gerdes, U.S. Department of Energy, Headquarters and Janna Unterzuber, Science Applications International Corporation**

1:00pm - 1:15pm

**Welcome and Introductions**

*Kurt Gerdes, U.S. Department of Energy, Headquarters*

1:15pm - 1:40pm

**Fernald's Experience Deploying In-Situ Gamma Spectrometry to Delineate Radionuclide-Contaminated Soils During Remediation**

*Robert Janke, DOE-Fernald Environmental Management Program*

1:40pm - 2:05pm

**Deployment of In Situ Measurement Techniques and the MARSSIM Process for Characterization of the Brookhaven Graphite Research Reactor**

*Paul Kalb, Brookhaven National Laboratory*

2:05pm - 2:30pm

**Remediation of Plume Source Areas at Lawrence Livermore National Laboratory by Electroosmosis**  
**Walt W. McNab, Jr., Lawrence Livermore National Laboratory**

2:30pm - 2:45pm

**BREAK**

2:45pm - 3:10pm

**Characterization Alternatives for the Old Cave at the DOE Miamisburg Environmental Management Project**

*Michael A. Krstich, Environmental Management Solutions*

3:10pm - 3:35pm

**Operation of an In-Well Air Stripping System at BNL**

*Vincent Racaniello, Brookhaven National Laboratory*

3:35pm - 4:00pm

**Effective Pollution Prevention at SRS through PWS and Aqueous Waste Minimization**

*Cary Tuckfield, Westinghouse Savannah River Company*

4:00pm - 5:00pm

**Open Discussion**

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

*Richmond II -- 1:00pm - 5:20pm*

**Session VIII -- Cost Engineering Session**

**Bryan Skokan, U.S. Department of Energy, Headquarters**

1:00pm - 1:05pm

**Welcome and Introductions**

*Bryan Skokan, U.S. Department of Energy, Headquarters*

1:05pm - 1:25pm

**EM Technology Advisory Group Findings, Results, and Next Steps**

*Milton Gorden, ATL International, Inc.*

1:25pm - 1:45pm

**Update on the Environmental Cost Analysis System and Other Available Databases for Collecting and Identifying Technology Costs**

*Jake Appetta, U.S. Department of Energy, National Energy Technology Laboratory*

1:45pm - 2:05pm

**Update on the Use of the Environmental Cost Element Structure for Technologies**

*Bryan Skokan, U.S. Department of Energy, Headquarters*

2:05pm - 2:25pm

**Navy NORM System and Navy's List of Baseline Technologies**

*Robert Nash, U.S. Navy*

2:25pm - 2:40pm

**BREAK**

2:40pm - 3:00pm

**Savannah River Site Standardized List of Baseline Technologies**

*Damon Hindle, Bechtel Savannah River*

3:00pm - 3:20pm

**Savannah River Site Technology Cost Savings System**

*Damon Hindle, Bechtel Savannah River*

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

*Richmond II -- 1:00pm - 5:20pm*

**Session VIII -- Cost Engineering Session**

**Bryan Skokan, U.S. Department of Energy, Headquarters (Continued)**

3:20pm - 3:40pm

**Guidance for Reporting Technology Deployments and Cost Savings in Within DOE Environmental Management**

*Dave Geiser/Paul Lurk, U.S. Department of Energy, Headquarters*

3:40pm - 4:00pm

**Project Definition Rating Index for Environmental Projects**

*Dave Pepson, U.S. Department of Energy, Headquarters*

4:00pm - 4:20pm

**Latest Technical Developments to Remedial Action Cost Estimating Requirement System (RACER)**

*Jacque Rast and Steve Ferris, Talisman, Inc.*

4:20pm - 4:40pm

**Oakland Technology Costing Case Study Presentation**

*Anne Sun, U.S. Department of Energy, Oakland Operations Office*

4:40pm - 5:00pm

**Latest EPA and Federal Remediation Roundtable Information on Technology Costs**

*John Kingscott and Kelly Madalinski, U.S. Army Corps of Engineers*

5:00pm - 5:20pm

**Using Value Engineering to Deploy Innovative Technologies**

*Douglas M. Maynor, U.S. Department of Energy - Ohio Field Office*

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

PGA East -- 1:00pm - 5:00pm

**Session IX -- Vadose Zone Panel Session**

**Skip Chamberlain, U.S. Department of Energy, Headquarters**

1:00pm - 1:15pm

**Welcome and Introductions**

*Skip Chamberlain, U.S. Department of Energy, Headquarters*

1:15pm - 1:40pm

**The DOE Complex-Wide Vadose Zone Science and Technology Roadmap**

*Daniel B. Stephens, Stephens and Associates*

1:40pm - 2:05pm

**Vadose Zone Science and Technology Solutions: "The Book"**

*Brian B. Looney, Savannah River Technology Center*

2:05pm - 2:30pm

**Innovative Vadose Zone Modeling Software Development at the Savannah River Site**

*Gregory G. Rucker, Westinghouse Savannah River Company*

2:30pm - 2:45pm

**BREAK**

2:45pm - 3:10pm

**Cost-Effective Method of Determining Shallow Radionuclide Activities**

*John April, Bechtel Hanford, Inc.*

3:10pm - 3:35pm

**Evaluation of the Savannah River Site Vadose Zone Monitoring System Program**

*Heather Holmes-Burns, BNFL-Savannah River Company*

3:35pm - 4:00pm

**Fissures in Yucca Dry Lake Bed, Nevada Test Site, U.S.A.**

*Donald C. Helm, Morgan State University*

4:00pm - 4:25pm

**Development and Implementation of a High Rate Logging System at Hanford Tank Farms**

*Rich McCain, MACTEC-ERS*

4:25pm - 5:00pm

**Open Discussion**

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

*PGA West -- 1:00pm - 5:00pm*

**Session X -- Project Management/Value Engineering Panel Session**  
**Tom Treger, U.S. Department of Energy, Savannah River Operations Office**

1:00pm - 1:15pm

**Welcome and Introductions**

*Tom Treger, U.S. Department of Energy, Savannah River Operations Office*

1:15pm - 1:40pm

**Critical to Systematic Stewardship Project Management**

*Dick Woodward, Lawrence Livermore National Laboratory*

1:40pm - 2:05pm

**Experiences and Strategies for using DOE Technical Assistance Resources**

*Dale Pflug, Argonne National Laboratory*

2:05pm - 2:30pm

**Guaranteed Remediation: An Innovative Approach to Environmental Cleanup and Site Closure**

*Mark Nickelson, Advanced Infrastructure Management Technologies (AIMTech), Lockheed Martin Energy Systems, Inc.*

2:30pm - 2:45pm

**BREAK**

2:45pm - 3:10pm

**Combining Technology and P2 for Cost Savings at Multiple Sites**

*Richard Govers, Chamberlain Group*

3:10pm - 3:35pm

**Achieving Cost-Effective Cleanup Using "Green" Environmental Restoration Technologies**

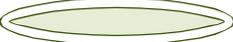
*John P. Ziagos, Lawrence Livermore National Laboratory*

3:35pm - 5:00pm

**Open Discussion**

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

*Amphitheater -- 1:00pm - 5:00pm*

**Session XI -- Stewardship: Policy and Program Perspectives Panel Session**  
**Michael Barainca, U.S. Department of Energy, Headquarters**

1:00pm - 1:30pm

**Introduction and Session Overview**

*Michael J. Barainca, U. S. Department of Energy, Headquarters*

1:30pm - 1:55pm

**Results of the NDAA Long-Term Stewardship Report to Congress**

*Janet Bashaw, Project Performance Corporation*

1:55pm - 2:20pm

**Long-Term Stewardship - A State Perspective**

*Cain Diehl, Southern States Energy Board*

2:20pm - 2:35pm

**BREAK**

2:35pm - 3:00pm

**The Question of Long-Term Stewardship Responsibilities at Facilities with Continuing Non-EM Operations**

*Deborah D. Griswold, U.S. Department of Energy, Albuquerque Operations Office*

3:00pm - 3:25pm

**The Draft Long-term Stewardship Study**

*Robert E. Hegner, Ph.D. and Steven Livingstone, ICF Consulting*

3:25pm - 3:50pm

**National Science and Technology Needs and Applications for Long-Term Stewardship**

*Roger Mayes, Idaho National Engineering and Environmental Laboratory*

3:50pm - 4:15pm

**Long-Term Performance: Subsurface Contaminants Focus Area Activities, Functional Applications for the Long-term Stewardship Program**

*Scott McMullin, U.S. Department of Energy, Savannah River Operations Office*

4:15pm - 5:00pm

**Open Discussion**

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# Workshop Sessions

Afternoon

Tuesday, November 14, 2000

*British Open -- 1:00pm - 5:00pm*

**Session XII -- SCFA: Natural Remediation Processes: Lessons Learned through Research, Development, and Application**  
**Scott McMullin, U.S. Department of Energy, Savannah River Operations Office**

1:00pm - 1:15pm

**Introductions and Overview**

*Scott McMullin, U.S. Department of Energy, Savannah River Operations Office-- tentative*

1:15pm - 2:00pm

**Using Phytoremediation to Address the Challenge of Metals and Radionuclides in Subsurface Soils**

*Domi Adriano, Savannah River Ecology Lab*

*Tracy Punshon, Savannah River Ecology Lab*

*Mike Kuperberg, Florida State University*

2:10pm - 2:30pm - **Facilitated Discussion**

2:30pm - 2:45pm - **BREAK**

2:45pm - 3:00pm

Natural Analogs for Performance-based Monitoring

*Jody Waugh, MACTEC-ERS, Grand Junction Office*

3:00pm - 3:15pm - **Facilitated Discussion**

3:15pm - 3:45pm

**Bioremediation: Emerging Applications, Challenges, and Lessons Learned**

*Terry Hazen, Lawrence Berkeley National Laboratory*

*Kent Sorenson, Idaho National Engineering and Environmental Laboratory*

3:45pm - 4:15pm - **Facilitated Discussion**

4:15pm - 4:30pm

**Monitored Natural Attenuation: Deciding When, Where, How, and How Much**

*Kent Sorenson, Idaho National Engineering and Environmental Laboratory*

4:30pm - 4:45pm - **Facilitated Discussion**

4:45pm - 5:00pm - **Integrated Discussion and Wrap-up**

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# Workshop Sessions

*Evening*

*Wednesday, November 15, 2000*

## **MASTER'S AND U.S. OPEN**

**Workshop “Mixer”**

**Poster Session**

**5:00pm - 7:00pm**

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# Workshop Sessions

Morning

Wednesday, November 15, 2000

*Richmond I -- 8:30am - 11:15am*

**Session XIII -- FRAMES Demonstration Session**  
**Paul Beam, U.S. Department of Energy, Headquarters**

8:30am - 9:30am

**FRAMES Attributes and FY01 Planned Activities**

*John Buck, Battelle, Pacific Northwest National Laboratory*

9:30am - 10:30am

**FRAMES Software Demonstration**

*John Buck, Battelle, Pacific Northwest National Laboratory*

10:30am - 11:00am

**Open Discussion**

*Richmond II -- 8:30am - 11:15am*

**Session XIV -- Overcoming Barriers to Long-term Monitoring Technology Deployment**  
**Cary Tuckfield, Westinghouse Savannah River Company**

8:30am - 10:00am

**Technology Research and Development Issues**

*Joe Rossabi, Westinghouse Savannah River Company*

*Bob Bainer, Lawrence Livermore National Laboratory*

*Herb Levine, U.S. Environmental Protection Agency, Region IX*

10:00am - 10:15am

**BREAK**

10:15am - 11:00am

**Technology Deployment and Regulatory Issues**

*Marianna DePratter, South Carolina Department of Health and Environmental Control*

*Jody Waugh, MACTEC-ERS, Grand Junction*

11:00am - 11:15am

**Session Summary and Suggested Path Forward**

*Cary Tuckfield, Westinghouse Savannah River Company*

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# Workshop Sessions

Morning

Wednesday, November 15, 2000

*PGA East -- 8:30am - 11:15am*

**Session XV -- ITRD Panel Session**

**Malcolm Siegel, Sandia National Laboratories**

8:30am - 8:40am

**Welcome and Introductions**

*Malcolm Siegel, Sandia National Laboratories*

8:40am - 9:00am

**The Innovative Treatment Remediation Demonstration (ITRD) Program: Overview of Goals and Accomplishments in FY2000**

*Malcolm Siegel, Sandia National Laboratories*

9:00am - 9:20am

**Hanford 100N Area ITRD Project**

*Cecelia V. Williams, Sandia National Laboratories*

9:20am - 9:40am

**Paducah Groundwater ITRD**

*Wu-Ching Cheng, Sandia National Laboratories*

9:40am - 10:00am

**Combination Air/Sparge Soil Vapor Extraction System at the Mound OU-1 Site**

*Gary S. Brown, Ph.D., Sandia National Laboratories*

10:00am - 10:15am

**BREAK**

10:15am - 10:35am

**ITRD Explosives Project at Pantex and LANL**

*James M. Phelan, Sandia National Laboratories*

10:35am - 10:55am

**Assessment of Carbon Tetrachloride Plume Transport and Attenuation for the Hanford Innovative Technology Remediation Demonstration Project**

*Richard J. Cameron, Pacific Northwest National Laboratory*

10:55am - 11:15am

**Open Discussion**

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# Workshop Sessions

Morning

Wednesday, November 15, 2000

*PGA West -- 8:30am - 11:15am*

**Session XVI -- GIS Panel Session**

**Russell Beckmeyer, Westinghouse Savannah River Company**

8:30am - 8:45am

**Welcome and Introductions**

*Russell R. Beckmeyer, Westinghouse Savannah River Company*

8:45am - 9:05am

**Meeting Users' Needs: Practical Integration of GIS**

*Russell R. Beckmeyer, Westinghouse Savannah River Company*

9:05am - 9:25am

**GIS Considerations for Closure**

*Denise Bleakly, Sandia National Laboratories*

9:25am - 9:45am

**Soils Geochemistry Analysis with ArcView Geographic Information Systems (GIS) Software**

*James S. Bollinger, Westinghouse Savannah River Company*

9:45am - 10:05am

**The Emergency Communication Network (ECN) GIS Facility Mapping Project**

*John Coffey, Bechtel Nevada*

10:05am - 10:20am

**BREAK**

10:20am - 10:40am

**GIS Management of Waste Units at the Savannah River Site**

*Larry D. Koffman, Westinghouse Savannah River Company*

10:40am - 11:00am

**GIS Applications for Watershed Risk Analysis and Data Needs Evaluations**

*Tracy J. McLane, Site Geotechnical Services, Project Engineering and Construction Department, Savannah River Site*

11:00am - 11:15am

**Open Discussion**

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# Workshop Sessions

Morning

Wednesday, November 15, 2000

*Amphitheater -- 8:30am - 11:15am*

**Session XVII -- Long Term Stewardship: Lessons Learned Panel Session**  
**Bryan Bowser, U.S. Department of Energy, Idaho Operations Office**

8:30am - 8:40am

**Welcome and Introductions**

*Bryan Bowser, U.S. Department of Energy, Idaho Operations Office*

8:40am - 9:00am

**Composite Analysis - The Right Tool for the Long-Term Stewardship Job**

*James R. Cook, Savannah River Technology Center*

9:00am - 9:20am

**Institutional Controls for Remediated Sites -- An INEEL Case Study on Long Term Stewardship**

*Deborah Wiggins, Idaho National Engineering and Environmental Laboratory*

9:20am - 9:40am

**State of the Art of Long-Term Stewardship, a Holistic Approach**

*Art Kleinrath, U.S. Department of Energy, Grand Junction Office*

9:40am - 10:00am

**Risk, Information, and Long-Term Stewardship Decision Processes**

*Elizabeth K. Hocking, Argonne National Laboratory*

10:00am - 10:15am

**BREAK**

10:15am - 10:35am

**LLNL ER Stewardship Model: Coupling Science, Engineering and Cost**

*Dick Woodward, Lawrence Livermore National Laboratory*

10:35am - 10:55am

**Lessons Learned with Long-Term Stewardship at Nevada Operations Office Sites/Performance Assessments**

*John Jones, U.S. Department of Energy, Nevada Operations Office*

10:55am - 11:15am

**Lessons Learned with Long Term Stewardship Measurements**

*Ralph Skinner, U.S. Department of Energy, Oak Ridge Operations Office*

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# Workshop Sessions

*Morning*

*Wednesday, November 15, 2000*

*British Open -- 8:30am - 11:15am*

## **Session XVIII -- Regulator/Stakeholder Panel Session**

**Brian Hennessey, U.S. Department of Energy, Savannah River Operations Office**

8:30am - 8:45am

### **Welcome and Introductions**

*Brian Hennessey, U.S. Department of Energy, Savannah River Operations Office*

8:45am - 9:10am

### **Early State Regulatory Involvement Through the ITRC**

*Cain Diehl, Southern States Energy Board*

9:10am - 9:35am

### **Stakeholder Involvement in Long-Term Stewardship through Systems Dynamics and Group Model Building**

*Jacob J. Jacobson, Idaho National Engineering and Environmental Laboratory*

9:35am - 10:00am

### **Stakeholder Involvement in Development of Budget Request**

*Kevin J. Rohrer, U.S. Department of Energy Nevada Operations Office*

10:00am - 10:15am

### **BREAK**

10:15am - 10:40am

### **Public Involvement Challenges Ahead for the INEEL Environmental Restoration Program**

*Erik Simpson, Idaho National Engineering and Environmental Laboratory*

10:40am - 11:05am

### **Use of the Internet to Effectively Communicate with Stakeholders**

*Sean Crawford, U.S. Department of Energy, Nevada Operations Office*

11:05am - 11:15am

### **Open Discussion**

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# Workshop Sessions

*Morning/Afternoon*

*Wednesday, November 15, 2000*

## **ATRIUM**

### **Keynote Luncheon**

**11:30am - 12:45pm**

#### **Speakers**

*Les Germany, U.S. Department of Energy, Savannah River Operations Office*

*Camilla Warren, U.S. Environmental Protection Agency, Region IV*

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# Workshop Sessions

Afternoon

Wednesday, November 15, 2000

*Richmond I -- 1:00pm - 4:30pm*

**Session XIX -- Emerging Waste Management Practices Panel Session**  
**Mildred Keith, U.S. Department of Energy, Savannah River Operations Office**

1:00pm - 1:15pm

**Welcome and Introductions**

*Mildred Keith, U.S. Department of Energy, Savannah River Operations Office*

1:15pm - 1:40pm

**Completion of Transuranic Waste Drum Retrieval and Venting Operation at Savannah River Site**

*Michael E. Brennan, Westinghouse Savannah River Company*

1:40pm - 2:05pm

**Emerging Remediation Treatment for Organics and TRU**

*Larry McNamara, Perma-Fix Environmental Services, Inc.*

2:05pm - 2:30pm

**Application of Lessons Learned in Assuring Future Success of the ORR EMWMF**

*J. Pat Hopper, Waste Management Federal Services*

2:30pm - 2:45pm

**BREAK**

2:45pm - 3:10pm

**Waste Maximization**

*Kenneth M. Grumski, MHF Logistical Solutions Inc.*

3:10pm - 3:35pm

**Disposition of Nuclear Weapon Components Generated by Remedial Activities**

*Bob Galloway, Sandia National Laboratories*

3:35pm - 4:00pm

**Chemical Reactions in Liquids Induced by High Frequency Electric Fields**

*Alexander Babchin, Alberta Research Council*

4:00pm - 4:30pm

**Open Discussion**

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# Workshop Sessions

Afternoon

Wednesday, November 15, 2000

*Richmond II -- 1:00pm - 4:30pm*

**Session XX -- Ground Water Panel Session**

**Chet Miller, U.S. Department of Energy, Headquarters**

1:00pm - 1:15pm

**Welcome and Introductions**

*Chet Miller, U.S. Department of Energy, Headquarters*

1:15pm - 1:40pm

**A Strategic Approach for Deploying Bioremediation at DOE Oak Ridge for Treatment of DNAPL in Fracture Bedrock and CCl<sub>4</sub> in Ground Water**

*Michael A. Krstich, Environmental Management Solutions*

1:40pm - 2:05pm

**Phytoremediation Identified as Cost Effective, Preferred Technology At Monument Valley, Arizona, UMTRA Ground Water Site**

*Ken Karp, MACTEC-ERS, Grand Junction*

2:05pm - 2:30pm

**Economical and Reusable Ground Water Treatment Solutions Developed at LLNL**

*Robert W. Bainer, Lawrence Livermore National Laboratory*

2:30pm - 2:45pm

**BREAK**

2:45pm - 3:10pm

**Aerobic Non-toxic Cometabolism of Trichloroethylene in Ground Water: A Case Study**

*Robert S. Donofrio, BioRemedial Technologies, Incorporated*

3:10pm - 3:35pm

**Operation Status of Reactive Barriers at Rocky Flats Environmental Technology Site**

*Annette Primrose, Kaiser Hill/Rocky Flats Environmental Technology Site*

3:35pm - 4:00pm

**Removing Uranium From Contaminated Groundwater At Fernald Using Ion Exchange Technology**

*Chris Sutton, Ph.D., Fluor Fernald, Inc.*

4:00pm - 4:30pm

**Open Discussion**

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# Workshop Sessions

Afternoon

Wednesday, November 15, 2000

*PGA East and West -- 1:00pm - 4:30pm*

## **Session XXI -- SRS Facility Disposition Program Session**

**Angelia Adams, U.S. Department of Energy, Savannah River Operations Office and Andrew Szilagyi, U.S. Department of Energy, Headquarters**

1:00pm - 1:15pm

### **How to Succeed on a Fixed Budget**

*Dave Yannitell, Westinghouse Savannah River Company*

1:15pm - 1:30pm

### **Facility Transition Process at SRS**

*Dick Garniewicz, Westinghouse Savannah River Company*

1:30pm - 1:45pm

### **Reducing Cost of Surveillance and Maintenance (S&M) Programs**

*Carolyn Bruns, Westinghouse Savannah River Company*

1:45pm - 2:00pm

### **Risk Based Method for Prioritizing Hazard Reduction Activities at Inactive Facilities**

*Vic Fricke and Gary Rose, Westinghouse Savannah River Company*

2:00pm - 2:15pm

### **Deactivation of 321-M Fuel Fabrication Facility**

*Marley Bruns, Westinghouse Savannah River Company*

2:15pm - 2:30pm

### **Decision Process for the Decommissioning of the R-Disassembly Basin at SRS**

*Bill Austin, Westinghouse Savannah River Company*

2:30pm - 2:45pm - **BREAK**

2:45pm - 3:00pm

### **Cleanup of R-Disassembly Basin at SRS**

*John Pickett and Heatherly Dukes, Westinghouse Savannah River Company*

3:00pm - 3:15pm

### **Asset for Dismantle and Removal Services - AFS**

*Tom Feske, Westinghouse Savannah River Company*

3:15pm - 3:30pm

### **Disposition Technologies**

*Bill Giddings and Jeff Lee, Westinghouse Savannah River Company*

3:30pm - 3:45pm

### **Long Range Facility Disposition Planning**

*Melanie Poe-Hozey, Westinghouse Savannah River Company*

3:45pm - 4:30pm

### **Open Discussion**

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# Workshop Sessions

Afternoon

Wednesday, November 15, 2000

*Amphitheatre -- 1:00pm - 4:30pm*

**Session XXII -- Innovative Remedial Technologies Panel Session**  
**Hap Thron, U.S. Department of Energy, Headquarters**

1:00pm - 1:15pm

**Welcome and Introductions**

*Hap Thron, U.S. Department of Energy, Headquarters*

1:15pm - 1:35pm

**FY2000 Technology Deployments on the Richland Environmental Restoration Project**

*Kim Koegler, Bechtel Hanford Inc.*

1:35pm - 1:55pm

**Performance Assessment of In-Situ Remediation involving DNAPL Removal**

*Richard Jackson, Duke Engineering & Services*

1:55pm - 2:15pm

**Remediation of Ecologically Sensitive Wetlands Contaminated with Cs-137 Using Micaceous Minerals**

*Daniel I. Kaplan, Westinghouse Savannah River Company*

2:15pm - 2:35pm

**EarthSaw Field Demo: Construction of a Bottom Barrier with Soft Buoyant Grout**

*Ernest E. Carter, P.E. Carter Technologies Co.*

2:35pm - 2:50pm - **BREAK**

2:50pm - 3:10pm

**Petrobond® Oil Solidification Polymer: Helping Solve Oil Waste Problems in the DOE Complex**

*Ward Brunkow, BWXT Services, Inc.*

3:10pm - 3:30pm

**Integrated Characterization of a TCE Contaminant Plume within a Basalt Aquifer**

*Katherine Owens, University of Idaho, Idaho Water Resources Research Institute*

3:30pm - 3:50pm

**Dynamic Underground Stripping and Hydrous Pyrolysis/Oxidation of PCE and TCE at Savannah River Site**

*Dave Parkinson and Norm Brown, Integrated Water Technologies, Inc.*

3:50pm - 4:30pm - **Open Discussion**

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# Workshop Sessions

*Afternoon*

*Wednesday, November 15, 2000*

*British Open-- 4:45pm - 5:30pm*

**Workshop Closeout**

Mary McCune

U.S. Department of Energy, Headquarters

David Huizenga

Deputy Assistant Secretary for Integration and Disposition

U.S. Department of Energy, Headquarters

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# Workshop Sessions

Thursday, November 16, 2000

## **7:00am - 2:30pm -- Tour of Savannah River Site**

- 7:00am - Bus arrives at Sheraton Augusta Hotel
- 7:30am - Bus leaves from Sheraton Augusta Hotel
- 8:00am - Arrives at Savannah River Site Gate
  - Welcome and Badging, 703-46A (Laurie Posey)
- 8:40am - Dynamic Underground Stripping (Jim Kupar)
- 9:30am - Phytoremediation & Southern Sector Recirculation Wells (Jim Kupar)
- 10:45am - Defense Waste Processing Facility, 704-S (Dean Campbell)
- 11:45am - Lunch at Savannah River Site Cafeteria, 708-A
- 1:00pm - SRTC, ABC Conference Room (Angie Fitzgerald)
- 1:00pm - -- Remote Sensing
- 1:15pm - -- Environmental Technology
- 1:30pm - -- Waste Treatment
- 2:00pm - Leave from Savannah River Site
- 2:30pm - Arrive Sheraton Augusta Hotel

*Richmond I and II -- 7:30am - 3:00pm*

### **EM Integration Project Management Team Meeting**

**Sandy Birk, Idaho National Environmental and Engineering Laboratory**

*PGA East and West -- 8:00am - 2:00pm*

### **ER Managers Meeting**

**Steve Golian, U.S. Department of Energy, Headquarters**

*Amphitheater -- 8:00am - 5:00pm*

### **The National Deactivation and Decommissioning Committee Meeting**

**Mary McCune and Andrew Szilagyi, U.S. Department of Energy, Headquarters**