

Quarterly Update

December 2005



INTERSTATE TECHNOLOGY & REGULATORY COUNCIL

Despite the move from New Orleans to Memphis, Tennessee, the Fall Meeting October 25-28 was well attended. In the opening plenary session, the 270 participants were greeted by Chuck Head, Senior Director of the Land Programs Bureau of Environment in Tennessee's Department of Environment & Conservation. He provided background on the city of Memphis and insight into its Memphis Sands aquifer. He also extolled the benefits of Tennessee's participation in ITRC. Because ITRC provides a forum for participants with common problems to work together on solutions, Tennessee has directly benefited from using information provided by the Sampling Characterization and Monitoring Team, the UXO Team, the Brownfields Team and ITRC's bioremediation information.

Board Co-Chair Bob Mueller (NJ) and ITRC Program Administrator Tim Titus presented "The State of ITRC," highlighting the membership numbers (575), progress of teams in 2005, addition of two new ITRC member states, and the introduction of the Industry Affiliates Program. The Board also made changes to the Board's structure in 2005 by adding two additional state members to the original seven. The presentation closed with a review of ITRC's budget.

Board Member Michael Smith (VT) provided a report on the strategic plan, including an overview on the planning process involved, content of the plan, and a summation of ITRC's next steps in implementing the plan. The board, team leaders, state point of contacts, stakeholders, and industry representatives all provided input to this strategic plan, which was adopted by the board in October. To see the strategic plan, please refer to the ITRC home page. This plan provides a map for ITRC's future direction and defines ITRC's purpose, mission, values and expertise.

Also during Monday's plenary session, Board Member Anna Willett (CA) provided a brief update on the Industry Affiliates Program progress. Currently there are 19 members of IAP, and Anna looks forward to increasing this number in 2006. IAP member Jay Hodny from W.L. Gore gave a presentation on why his company joined IAP.

The meeting then continued with members breaking off for their team meetings. On Wednesday, Elvis was in the building to help ITRC celebrate its 10th anniversary. A special presentation by the ITRC "Remediate Players" added to the festivities. Brian Sogorka (NJ) presented the high points of ITRC history, and the fun continued with several skits, including the "Wheel of Funding" and the "Bored Meeting." Many thanks to the actors who stepped up to partici-

pate, with special recognition to Mavis Kent (OR) for assembling the cast, crew, and script.

In the second plenary session, held Thursday, Bob Mueller (NJ) was re-elected as co-chair of the board by a unanimous vote. ITRC also presented the 2005 ITRC service awards. (For more information

about the awards and the award winners, see page 5.) Brian Sogorka (NJ) presented an insightful history of ITRC, beginning with its conceptualization in jottings on a napkin, and Christine Costopoulos (NY), team leader for the Brownfields team, gave a presentation about the team's activities over the years. The team is not only working on documents and training, but collaborating with the EPA on a special interactive Web tool, SmartE, which will be launched in 2010.

To see the PowerPoint files of the Fall Meeting presentations, please refer to the Conferences Web page.

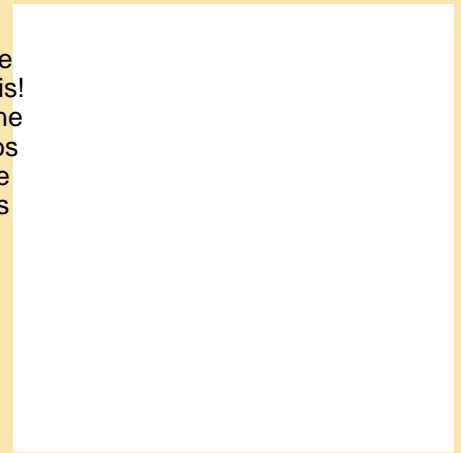


In This Issue:

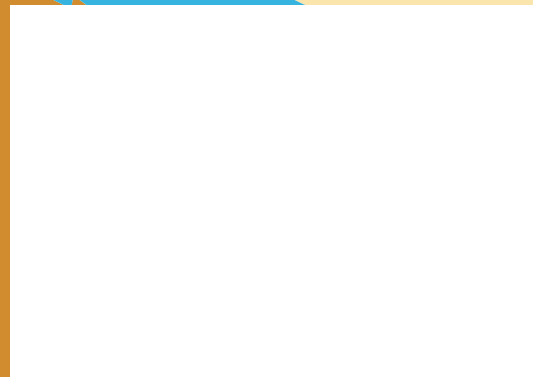
- Responding to Katrina
- Co-Chair Update
- SMART Success Story
- Training Schedule
- New documents available

ITRC Fall Meeting Photos

A Brownie meets Elvis!
Christine Costopoulos and George Nicholas



Bob Mueller presents the ITRC Grand PooBah award to Tim Titus



Dan Nicoski presented the 2005 POC Outstanding Service Award from Mavis Kent



Brownfields Team presentation by Christine Costopoulos

Mary Ondrechen presented the 2005 Outstanding Stakeholder Award from John Chamblis



Jay Hodny from W.L. Gore

The Remediocre Players



As we end our tenth year of remarkable achievements at the Interstate Technology & Regulatory Council, we want to take a moment to reflect upon our accomplishments over the past year and look at where we see the program going next year.

But first, kudos to the staff and Tonia Bohnen who successfully switched the ITRC Fall Meeting from New Orleans to Memphis after the devastation wrought by Hurricane Katrina. Also, a sincere thank you to all ITRC members who made it to Memphis, despite obstacles blown our way by Hurricanes Katrina, Rita, and Wilma, the meteorological Dixie Chicks. After foregoing the spring

COCHAIR UPDATE

meeting, it was very important to hold this gathering, come hurricanes or high water. The occasion gave teams a chance to meet and the organization the opportunity to assemble as a whole to review ITRC's progress for 2005 and look ahead to 2006 and beyond.

Despite reduced resources for 2005, ITRC had another banner year with 10 new documents published and eight new courses of Internet Based-Training opportunities. Since the inception of Internet-Based Training, over 25,000 people, representing every state in the nation, have taken part in training (see article on page 9).

The Board of Advisors is committed to making the decisions necessary to ensure ITRC's continued growth and progress. The Board expanded by two new members this year, Saba Tahmassebi of Oklahoma, and Michael Smith of Vermont. ITRC is close to having all U.S. states represented in its membership. We are

also building a new relationship with our industry members in the IAP (Industry Affiliates Program), providing great opportunities for information sharing, participation in project teams, and access to regulators, trade leaders, and stakeholders.

We have developed the ITRC Strategic Plan for the next decade, thanks to the time and effort of many dedicated members who contributed so much to the completion of the plan. The plan provides the framework for ITRC's continued progress. Of course, as is the case with any strategic plan, success will be determined by implementation. The Board has adopted an action plan, in the form of a task list, to keep us on track. We encourage all ITRC members to review the list that is on the Web site home page and provide the Co-Chairs, or any Board member, your comments or ask any questions. The strategic planning process was, and remains, critically important to ITRC's viability, and your examination and related comments on the task list are invaluable to continuing the momentum that has developed as a result of the effort.

As directed by the plan, we expect to go beyond remediation, expand our capacity to respond to emerging issues, track market trends, deliver our information products effectively, and enhance our communication capability. The challenge, of course, is to accomplish these objectives in times of declining resources. The Board is fully cognizant of the need to balance new and expanded efforts with available resources—both financial and personal. We are in the process of examining potential new sources of funding that will enable us to accomplish the objectives set forth by the strategic plan. Please see ITRC's home page and click the Strategic Plan link for more details.

2005 Teams

Alternative Landfill Covers (ALT)
Team Leader: Charles Johnson, CO

Arsenic in Groundwater
Team Leader: Chuck Pippen, NC

Bioremediation of DNAPLs
Team Leader: Najji Akladiss, ME

Brownfields
Team Leader: Christine Costopoulos, NY

Diffusion Sampler
Team Leader: Kim Ward, NJ

Ecological Land Reuse
Team Leader: Charles Johnson, CO

**Enhanced Attenuation:
Chlorinated Organics**
Team Leaders: Judie Kean, FL
and Kimberly Wilson, SC

MTBE and Other Fuel Oxygenates
Team Leader: Fred McGarry, NH

Perchlorate
Team Leaders: Sara Arav-Piper, NV
and Laurie Racca, CA

Radionuclides
Team Leaders: Tom Schneider, OH
and Carl Spreng, CO

Remediation Process Optimization
Team Leaders: Tom O'Neill, NJ
and Sriram Madabhushi, SC

Risk Assessment Resources
Team Leader: Steve DiZio, CA

**Sampling, Characterization
and Monitoring (SCM)**
Team Leader: Stuart Nagourney, NJ

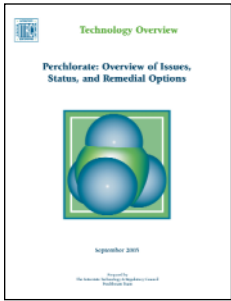
Unexploded Ordinance (UXO)
Team Leaders: Jeff Swanson, CO
and Gary Moulder, PA

Vapor Intrusion
Team Leaders: Bill Morris, KS
and John Boyer, NJ

In many ways, 2006 will look similar to 2005. At this time our budget is at the same level—2.24 million—and we again will have to forego a spring meeting. The Board has examined many options that would allow the Spring meeting to be held as we realize how important face-to-face meetings are; however, there are simply too many cuts that would have to be made to enable us to hold the meeting. We will have the remaining routine ITRC meetings beginning with the team kick-off meeting in Salt Lake City in January, a midyear review in July, and a Fall meeting in Henderson, Nevada in October. We are planning a new, conference-style meeting in
(See Co-Chair Update, page 4)

Hot off the Press – PERCH-1 and BIODNAPL-1

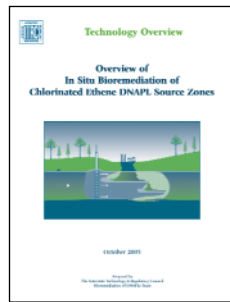
The Perchlorate Team and the Bioremediation of DNAPLs Team have recently completed two documents that are available electronically on ITRC's Web site on the guidance documents page and by hard copy. Thanks to all team members and leaders for their impressive work.



The Perchlorate Team has completed ***Perchlorate: Overview of Issues, Status, and Remedial Options*** (PERC-1). This overview document provides basic information on perchlorate characteristics and contamination, as well as sampling and analysis techniques, risk-related issues, and risk management strategies. It summarizes current remediation technologies.

PERC-1 will help state regulators and stakeholders better understand the basic issues involved in perchlorate management.

The BioDNAPLs Team has completed a technology overview entitled: ***Overview of In Situ Bioremediation of Chlorinated Ethene DNAPL Source Zones*** (BIODNAPL-1). This document compiles current research and background information on ISB and offers an analysis of potential applications for this emerging technology. While earlier ITRC documents have provided guidance on ISB for any bio-treatable contaminants, this new document focuses on the specific application of ISB to chlorinated ethenes. BIODNAPL-1 will help regulators, engineers, and consultants better understand and apply in situ bioremediation (ISB) as a treatment technology for these compounds.



Co-Chair Update from page 3

spring 2007. We will let you know the dates and times as soon as they are definite.

We have ambitious plans for next year. Our organization is built on the strength of our members, so we intend to retain and recruit accordingly. We will continue to pursue the ITRC model of action we have used to get here. We will also continue to add teams to meet the environmental needs of our members as long as we have the resources to do this. We will continue to encourage the active participation of a diverse set of actors—state and federal regulators, federal and private site owners, industry members, and stakeholders—to maintain the high quality products people expect from the ITRC.

ITRC Responds to Katrina Cleanup

Board Member George Nicholas (NJ) provided an update on ITRC's response effort to the state of Louisiana in the aftermath of Hurricane Katrina. ITRC Louisiana Point of Contact Narendra Dave contacted Nicholas (ITRC Team Leader Liaison) to request ITRC assistance in reviewing anticipated proposals for cleanup technologies to address contamination from the extensive flooding caused by Hurricane Katrina. Within two weeks, ITRC had a work group ready to review proposals. Louisiana DEQ Project Coordinator Percy Harris forwarded the group its first proposal on October 25.

The group has committed to an expedited two-week review timeframe and will utilize the expertise within the broad ITRC organization to help complete reviews. The Gulf States of Texas, Mississippi, and Alabama have been asked to participate on an information exchange basis, so they all can benefit from the information being processed through the ITRC Review Group. Other states participating within the group include California, Florida, Kansas, Nevada, New Jersey, New York, and Pennsylvania. The biggest issues were waste disposal and the challenge of finding enough landfill space. Hazardous waste issues seemed to be minimal, but the group will continue to monitor for impacts. There is now an opportunity to incorporate smart growth concepts into the rebuilding process.

ITRC Program Advisor Steve Hill has offered to participate in the reviews, and Mitretek Systems has offered Susan Soloyanis to help coordinate and consolidate the group's comments. On the federal level, the Department of Energy's Sandra Waisley will coordinate with ITRC to bring the DOE's considerable expertise to the table. USEPA is already very active in the region

(See ITRC Responds, page 8)

One final note about the Board membership: we are pleased to announce that Michael Smith (VT) and George Nicholas (NJ) have accepted our invitation to again serve on the Board. Michael was serving a one-year term as one of the Board's new state representatives. George will again serve as Team Leader Liaison. During the Fall meeting, ITRC members elected Bob Mueller (NJ) to serve another term as Co-Chair. On behalf of the Board, we thank all of you for your continued support and work on behalf of the ITRC. Please keep us informed of your thoughts, as we will work to keep you up-to-date on the business of ITRC. We look forward to a productive new year as together we grow the ITRC to its full potential.

Joe Francis and Bob Mueller

2005 ITRC Awards

Each year ITRC takes time to recognize the efforts of the ITRC members who go above and beyond to make extraordinary contributions to ITRC. This year ITRC presented five awards. Christine Costopoulos (NY) was honored with the 2005 Team Leader of the Year Award for her leadership as the driving force behind the Brownfields Team's successes. The Remediation Process Optimization Team won the 2005 Team of the Year Award. Team Leaders Sriram Madabhushi (SC) and Tom O'Neill (NJ), who played instrumental roles in the team's progress, accepted the award for their team. The 2005 Stakeholder of the Year Award was bestowed upon Mary Ondrechen (MA) for her contributions to ITRC.

The State Engagement Team led by Mavis Kent of Oregon presented ITRC State Points of Contact (POC) awards to recognize the efforts and contributions of POC members during 2005. The 2005 Great Beginning Award is given to a new POC who has carried out their responsibilities with energy and enthusiasm in bringing ITRC benefits to their state. This year's Great Beginning Award was presented to Jeff Painter (PA) for his participation on the State Engagement Team and his efforts to reach beyond his division and agency to disseminate ITRC tools throughout Pennsylvania.

The 2005 Outstanding Service award was given to Dan Nicoski (KS) for his steady support and leadership to further the mission of ITRC and its benefits to public welfare. This award traditionally honors a POC who has given a high level of support to the State Engagement Team and contributes to the team by leading sessions, coordinating meetings, and providing mentoring to new POCs.

The 2005 Outstanding Performance award was given to Mihir Mehta (SC). This award honors a POC who has made substantial contributions to ITRC and has fostered strong benefits for his or her state through ITRC participation. Mihir actively advocates South Carolina's participation in ITRC training and the state's use of technical and regulatory documents. He is a true ambassador for ITRC within his state.

The Industry Affiliates Program also presented awards to industry representatives who made outstanding contributions to ITRC teams. Each ITRC team named two industry representatives for this award. The winners are listed below:

Congratulations to all of the award winners and thank you for all of your contributions.

Alternative Landfill Technologies	Michael Caldwell and Louis Bull Steve Wampler	Waste Management AquAeTer
Bioremediation of DNAPLs	Kent Sorenson and Ryan Wymore Dave Major and Eric Hood	Camp Dresser and McKee GeoSyntec Consultants, Inc.
Brownfields	Kenneth Gilland Kai Steffens	Buck Engineering PROBIOTEC GmbH
Diffusion Samplers	Dee O'Neill Sandy Britt	Columbia Analytical Services, Inc. ProHydro Inc.
Ecological Enhancements	Barbara Padlo Greg Fletcher	BP Suncor Energy, USA Inc.
Enhanced Attenuation Chlorinated Organics MTBE	Grant Cary Patrick McLoughlin Eric Nichols Matt Tonkin	Conestoga-Rovers & Associates Microseeps, Inc. LFR, Inc. S.S. Papadopoulos & Associates
Perchlorate	Tony Lieberman Dee O'Neill	Solutions-IES Columbia Analytical Services, Inc.
Radionuclides		S.M. Stoller Corporation
Remediation Process Optimization	Bud Johnson Mark Kluger	Remedial Operations Group, Inc. Dajak, LLC
Risk Assessment Resources	Tracy Hammon Dr. Bruce Fishman	ConocoPhillips RBR Consulting, Inc.
Sampling, Characterization, and Monitoring	Bill Davis	TriCorders Environmental, Inc.
Unexploded Ordnance	Jim Pastorick Brian Ambrose	UXO Pro, Inc. Dupont
Vapor Intrusion	Blayne Hartman David Folkes	H&P Mobile GeoChemistry Envirogroup



IAP Update

IAP is off to a successful start. In its first year, 19 companies have joined at the Gold or Regular Member level. Five are

Gold Members and 14 have joined as Regular Members. In total, IAP raised approximately \$112,000 to support the work of ITRC. A big thank you to all member organizations!

At the ITRC Fall Meeting in Memphis IAP members had an opportunity to meet each other and start work developing the formal foundation of the group's support of ITRC. In 2006, IAP members will be participating in quarterly conference calls and meetings throughout the year to enhance their contributions to ITRC. Also these meetings will help identify how industry can provide input and support ITRC activities.

One final note, membership enrollment for IAP began December 1 and will continue through March 31, 2006. All current members will be sent a renewal application. If your organization has not joined, please download an IAP application off ITRC's Web site, located under the Industry Affiliates Program page. As a reminder, all organization representatives need to also complete an ITRC Membership Application to participate on ITRC Teams.

Introducing our newest members



GOLD MEMBERS



REGULAR MEMBERS

Collaborative Meeting

At the recent ITRC Fall meeting, a joint session with the State Points of Contact and the Sampling, Characterization and Monitoring (SCM) team was held on the issue of Direct Push wells.

Direct Push wells offer many advantages for use in long-term environmental monitoring as compared to conventionally constructed wells. These advantages, which will be discussed in an upcoming SCM team technical/regulatory document (SCM-2: Direct Push Well Technology for Long Term Environmental Monitoring in Groundwater) and Internet training, include:

1. Comparable data quality
2. Cost-efficient

Use of Direct Push wells for long-term monitoring is prohibited in many states by existing regulations that require a larger annular space than Direct Push wells can accommodate. Other states allow the use of Direct Push wells by regulation or variance. The meeting between the SCM team and POCs highlighted these and other issues, and include presentations from SCM team members, EPA, and several states with experience in the application of Direct Push wells. Subsequent facilitated discussions revealed interest by the States in the classroom training on this issue; a training proposal to further publicize the opportunities presented by the use of Direct Push wells is in development by the SCM Team.

This discussion with the POCs highlighted the work of ITRC at its best: identifying a regulatory barrier to an innovative environmental technology and through teamwork coming up with workable solutions.

For more information, contact Stuart Nagourney, Sampling, Characterization and Monitoring Team Leader at 609-2092-4945 or stu.nagourney@dep.state.nj.us.



Sometimes when you get more than you bargained for, it turns out to be a good thing. In the fall of 2003, Ken Vogler attended ITRC's "UXO Basic Training" class

in Austin, TX. With the encouragement of the UXO team leader—fellow Coloradan Jeff Swanson—Ken joined the UXO team in 2004. The next thing he knew, Ken was asked to be the POC for Colorado. He accepted and has never looked back.

Ken says one of the main benefits Colorado receives from being part of ITRC is the opportunity for Colorado staff who are ITRC members to interact with other state regulators, DOD, DOE, and industry. They can sit down together, work on technical problems, and come up with innovative solutions. ITRC provides a platform where everybody can meet and work in a less contentious atmosphere. ITRC training and documents are Ken's choice for ITRC's best service to the states. People in his office use the documents frequently and rely on them, and those who are members of ITRC teams say they benefit greatly from their involvement on ITRC teams.

In addition to his role as POC for Colorado, Ken also remains a member of the UXO team, where he gets to really interact with the team and learn new things. He points out that at first he knew very little about the topic, but he was assigned to a Colorado UXO project, so participating on the team gave him a strong foundation in UXO issues. By listening to other team members he was exposed to a wider reach of opinions and knowledge that otherwise would not have been available.

In May of 2005, Ken led a presentation at the EPA RCRA Corrective Action Conference. He delivered a brief overview about ITRC, and had members from a couple of teams speak about their teams and projects. They used a panel discussion format, with Ken acting as moderator to take questions from the audience. The presentation was quite successful, and Ken's supply of UXO document CD's were quickly snatched up by attendees.

Ken works for the State of Colorado on several DOD projects. His work includes federal facilities, DOD facilities, doing the cleanup work at the Rocky Mountain Arsenal, and handling regulatory oversight for the Arsenal. He is also working on a missile silo site.

In his spare time Ken participates in Masters Swimming, which is an international program anyone age 19 and over can join. The program provides swim coaches and organizes swim meets. He is involved in martial arts (though not as much as he used to be), and these days he enjoys the simple pleasures of reading.

Small Arms Team Scores Success in Seattle District

Using ITRC guidelines prepared by the Small Arms Firing Range Team, the U.S. Army Corps of Engineers recently helped save costs for a Washington army installation relocating its firing range.

The former Evergreen firing range at Fort Lewis, Washington, was used for military training in the 1950s and 1960s. After years of absorbing bullets, the backstop berm behind the firing range was stippled with projectile contaminants, some containing lead. Left unmanaged, these contaminants could leach into the groundwater and pose a health risk to people or wildlife.

When the Seattle District Army Corps of Engineers was charged with the task of determining the nature and extent of contamination in preparation for cleanup of this range, the corps looked at alternatives to traditional excavation and landfill disposal. As a result of these explorations, Fort Lewis used the ITRC technical guidance document, "Characterization and Remediation of Soils at Closed Small Arms Firing Ranges," in its plans to reuse contaminated soil at the facility's active firing range rather than disposing of it at a hazardous waste landfill.

The Washington State Department of Ecology accepted Fort Lewis's remediation proposal on the condition that bullet fragments be removed from the soil and residual soils be treated to reduce lead content to below hazardous waste levels.

"The ITRC technical guidelines provided our team with a tool to assist in negotiating remediation options with the State Department of Ecology—specifically Section 4.8, which addresses relocating soil for reuse as a backstop on range property," said Kira Lynch of the Seattle District Army Corps of Engineers. "It encouraged us to consider soil reuse as a remedy. We also used the ITRC guidelines to successfully document that soil reuse is an environmentally protective and sustainable alternative."

The cleanup, completed in July 2005, removed approximately 9,000 tons of soil, which contained about 1 ton of bullets and stainless steel. The metal fragments were sent to a recycling facility, and the treated soil was used as backstop for a new firing range at Fort Lewis. The total project cost of approximately \$800,000 represented a cost savings when compared to the traditional dig and haul approach.

ITRC's Internet-Based Training Reaches Over 25,000 Participants

In October 2005, the Internet-Based Training program reached a milestone when the total number of participants passed the 25,000 mark during the October 11 training class titled "Guidance for Characterization, Design, Construction, and Monitoring of Mitigation Wetlands."

ITRC's Internet-Based Training program started in July 1999 when ITRC partnered with EPA's Technology Innovation Program to deliver training classes through the Internet. The program started with one course titled "Natural Attenuation of Chlorinated Solvents in Groundwater: Principles and Practices." In the next four years, that training course was offered a total of 20 times providing training to 3,337 participants.

Since 1999, ITRC has developed a total of 27 different training courses and held more than 175 training sessions. ITRC's Internet-based training courses are successful because they are unique forums for the exchange of technical and regulatory information primarily for environmental technologies and approaches for site characterization, monitoring, and remediation. ITRC reaches a geographically dispersed audience of regulators, consultants, and other members of the environmental community. The training sessions last approximately two hours, cover technical and regulatory information specific to environmental technologies and innovative approaches, and are supported by consensus-based ITRC documents. Training instructors are members of ITRC's technical teams and are professionals working with the technology or approach. The training courses, as well as ITRC technical teams that produce them, are state-led with at least one instructor from a state environmental organization. ITRC Internet-based training is sponsored by ITRC and EPA with no cost for the participant.

Thank you to all of the ITRC team members who have provided their expertise in bringing this valuable training to the environmental community.

For more information about ITRC's Internet-Based training classes visit www.itrcweb.org and select "Internet-Based Training." The primary contact for ITRC Internet-Based training courses is Mary Yelken, 402 325-9615 or myelken@earthlink.net.

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and has a great deal of information on technologies and local issues. The ITRC Review Group is currently working to identify a representative to help coordinate the ITRC's efforts with USEPA. For additional information, please contact George Nicholas (george.nicholas@dep.state.nj.us) or Susan Soloyanis (ssoloyan@mitretek.org).



Upcoming Internet-Based Training Courses

December 6—*Site Investigation and Remediation for Munitions Response Projects*

December 8—*Perchlorate: Overview of Issues, Status, and Remedial Options*

December 13—*Geophysical Prove-Outs for Munitions Response Projects*

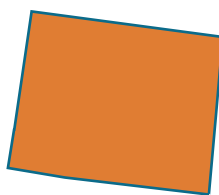
January 10—*What's New with In Situ Chemical Oxidation*

January 12—*What is Remediation Process Optimization and How Can It Help Me Identify Opportunities for Enhanced and More Efficient Site Remediation?*

January 26—*Environmental Management at Operational Outdoor Small Arms Firing Ranges*

Please see www.itrcweb.org for more information and to register for these courses.

New Member States!



Two states, Wyoming and Iowa, have joined ITRC! This brings ITRC to a total of 45 member states. The new State Engagement POCs include Jerry Breed from Wyoming and Rochelle Cardinale from Iowa. State participation is key to expanding the "reach" of ITRC documents and training courses and in gaining input and concurrence on ITRC documents. Please welcome our new member states.

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2006 Membership Applications

Applications are now being accepted for new and renewing team members for 2006. If you plan to return or would like to become a member of one of ITRC's team, please fill out a 2006 Membership Application and sign the bottom of the form. Applications are on the ITRC Web site under Membership (<http://www.itrcweb.org/membership.asp>). Current members will receive an application via e-mail over the coming weeks.

Highlight of a Team Leader

It all began in late 2003 with a simple Internet search. Judie Kean had a background in microbiology, and the state of Florida was using In Situ Bioremediation (ISB) as a remedial cleanup strategy. Searching the Internet for more information on ISB, Judie saw a listing for ITRC's ISB Team page. Naturally, she joined the team.

In 2004, Judie became a co-lead (with Kimberly Wilson, SC) for the Enhanced Attenuation: Chlorinated Organics (EACO) team. These days Judie is excited about the new concepts being developed by the EACO team, and she really enjoys being part of that process. The team recently completed collecting information from an online survey and is distilling the results into a whitepaper to be released near the end of 2005. They also made a poster presentation for the SERDP conference on "Partners in Environmental Technology" in Washington, DC, developed an enhanced attenuation fact sheet, and completed the development of a resource guide. The next big projects are activation of an online case study database to make ISB data more easily accessible and the development of an Enhanced Attenuation Decision Framework document.

Over the years Judie has found ITRC to be a great place for technical interaction. She has welcomed the opportunity to meet people in the field who are distinguished nationally, and she gets to work with state regulators across the U.S. to see how they deal with different issues and problems. Participation in ITRC allows her to speak with various groups of people who do the same work but have different approaches, whether they are from Federal Government, states, or elsewhere. Judie is pleased more and more people are seeing the value of ITRC.

Judie works for the Florida Department of Environmental Protection as an Environmental Manager involved in cleanup of hazardous waste sites, Superfund sites, and the dry cleaning program. Her duties include assessment, remedial design, and actual cleanup/remediation activity throughout the state. Judie also takes time to enjoy the great outdoors that she works so hard to preserve: She is an avid marathon runner (including ironman distances), a triathlete, and she enjoys hiking, kayaking, canoeing, backpacking, and both road and off-road biking. Judie is also involved with community organizations to maintain the parks system. In her free time she unwinds by doing a lot of reading.

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