Regulatory Acceptance for New Solutions

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ITRC
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Purpose of ITRC

ITRC is a state-led, national coalition of regulators and others working to

- improve state permitting processes and
- speed implementation of new environmental technologies

Goals

- Achieve better environmental protection through innovative technologies
- Reduce the technical/regulatory barriers to the use of new environmental technologies
- Build confidence about using new technologies

Other Participants

- Industry representatives
- Academia
- Public stakeholders
- Federal agencies

U.S. Department of Energy

U.S. Environmental Protection Agency

U.S. Department of Defense

- Host organization

Environmental Council of the States

- State organizations

Western Governors' Association

Southern States Energy Board

Organizational Structure

ECOS/ERIS

State institutional support
Enable state staff participation
Funding support
Fiscal agent

Board of Directors

Two Public Stakeholders *(Industry,Env)*

Co-Chairs *State*

Federal Partners
EPA DOE DOD
Ex Officio

State Engagement Coordinator

Team Leader Liaison - *State*

Association Affiliates
WGA and SSEB

Program Director

State Engagement

State Point of Contact Network (41 POCs)

- Ensure state awareness/use of ITRC products
- Coordinate training on ITRC products
- Coordinate concurrence on ITRC products

Technical Teams

- Accelerated In Situ Bioremediation Training
- Alternative Landfill Technologies
- Brownfields
- Contaminated Sediments
- Dense Nonaqueous Phase Liquids
- Diffusion Sampler Technology
- In Situ Bioremediation
- Mitigation Wetlands
- MTBE-Contaminated Groundwater

Permeable Reactive Barriers
Phytotechnologies Classroom Training
Radionuclides
Remediation Process Optimization
Risk Assessment Resources
Sampling, Characterization, and Monitoring
Small Arms Firing Range
Unexploded Ordnance

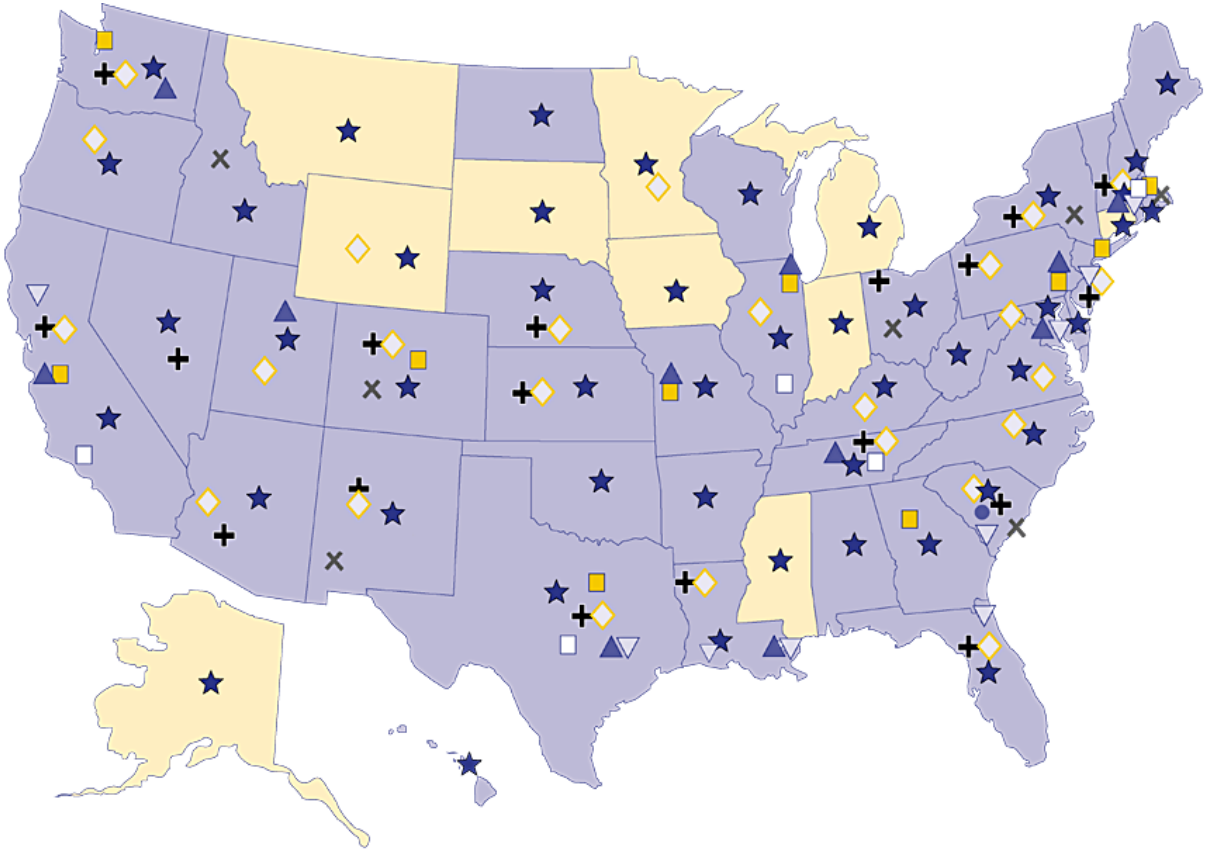
Products & Services

- Regulatory and Technical Guidelines
- Technology Overviews
- Case Studies
- Peer Exchange
- Technology Advocates
- Classroom Training Courses
- Internet-Based Training Sessions

State Engagement Program

- Ensures ITRC documents are available, understood, and used
- Promotes multistate concurrence of technical and regulatory guidelines
- Coordinates Internet-based training
- Documents ITRC's successes
- Promotes regulatory innovation
- Promotes peer exchange

Nationwide Success



March 2002

- Active ITRC States (40 plus DC)
- Students Trained
- Product Use at a Site
- Institutional Success
- ITRC Network Success
- Natural Attenuation Training Course
- Accelerated In Situ Bioremediation Training Course
- Permeable Reactive Barriers Training Course
- Phytotechnologies Training Course
- Unexploded Ordnance Training Course

Benefits to States

- Access to peers and experts in other regulatory agencies
- Shortened learning curve by obtaining advance knowledge of new and used technologies
- Cost-effective involvement in demonstrations conducted in other jurisdictions
- Sounding board for problem solving
- Information and technology transfer
- Maximize limited resources
- Personal and professional development

Benefits to DOD

- Facilitates interactions between DOD managers and state regulators
- Increases consistency of regulatory requirements for similar sites in different states
- Helps reduce uncertainties when preparing cleanup plans
- ITRC-sponsored training classes and Internet seminars have been well attended by DOD and service branch environmental managers as well as EPA, state regulators, and stakeholders

Active Projects

- Accelerated In Situ Bioremediation Training
- Alternative Landfill Technologies
- Brownfields
- Contaminated Sediments
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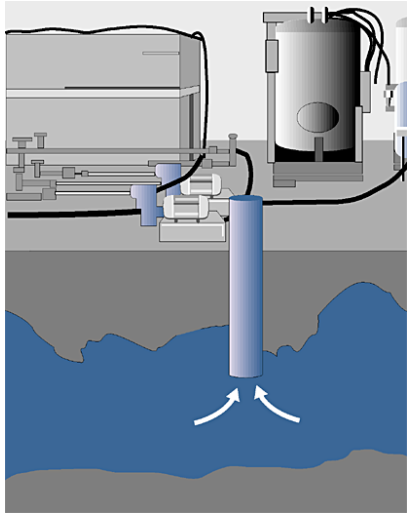
Remediation Process Optimization



Value: Focuses on designing and optimizing remedial systems to ensure remedial protectiveness while maximizing risk protection and cost-efficiency and assists states prepare for management of fund-lead NPL sites that will soon be 100% state funded

Activities:

- Formed a multidisciplinary team of states, DOD, DOE, EPA, and industry representatives to evaluate options for implementing state optimization programs
- Participating in RPO visits at federal and state sites, identifying key issues, recurring themes, and lessons learned

Planned Products:

- Guidance document for implementing RPO programs
- Internet training focused on needs of state regulators
- Fact sheet providing an overview of optimization programs

Technical Regulatory Guidance Document

- A technical guidance document is:
- Guidance
- An educational tool

- A technical guidance document is not:
- Law
- Accepted by everyone, in all cases

Draft Table of Contents

1.0 Introduction

2.0 Overview of RPO
- 2.1 Understanding RPO
- 2.2 RPO and the Regulatory Framework

3.0 RPO Methods

Draft Table of Contents

4.0 Common Threads of Successful RPO

- 4.1 Team Composition
- 4.2 Eval. of Conceptual Model
- 4.3 Collection of Performance Data
- 4.4 Collection of Cost Data
- 4.5 Evaluating the Exit Strategy
- 4.6 Communicating the Results
- 4.7 Follow Up

Draft Table of Contents

5.0 Challenges and to Successful RPO
- 5.1 Institutional
- 5.2 Contractual
- 5.3 Regulatory
- 5.4 Solutions
  - 5.4.1 Incentives

Draft Table of Contents

6.0 Stakeholder Considerations

7.0 References

Appendices

Schedule

March 2003 - Tri-Services / ITRC
Charlotte, NC, March 24-28,2003
Team Meeting - Complete the
Table of Contents - Writing Assignments

June 2003 - Team Meeting
Princeton, NJ, June 17-20, 2003
Assemble Draft - “Plug the Holes”

Schedule

November 2003 - ITRC Fall Meeting
Final Draft Assembly for Interested Party Review

January 2004 - ITRC Concurrence Process Begins

February or March - Publication

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