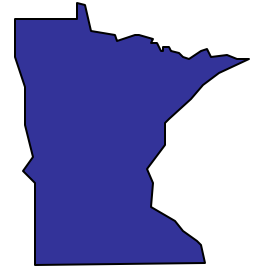




## ***State of Minnesota and ITRC***

***“ITRC – Promoting better decisions while shaping the future of regulatory acceptance for innovative environmental technologies and approaches”***



The Interstate Technology and Regulatory Council (ITRC) is a state-led coalition working together with federal partners, industry, academia and stakeholders to achieve regulatory acceptance of innovative environmental technologies and approaches. Through the development of consensus-based tools and resources ITRC’s state-led technical teams provide information to facilitate confident decision-making in the states. The ITRC was created in 1995 by the Committee to Develop On-Site Innovative Technologies under the Western Governors’ Association. Today, ITRC is a committee formed under the bylaws of the Environmental Research Institute of the States (ERIS), which is the research and educational arm of the Environmental Council of the States (ECOS).

### **ITRC tools and resources help Minnesota save time and money:**

- ***ITRC Resources on In Situ Biotenitrification educational*** - A city considering ISB had concerns about the simulation of microbial activity up-gradient of their production wells and potential migration of microbes and pathogens into their well fields. ITRC has provided literature helpful in the understanding of these issues, according to Dave Gosen of Alliant Techsystems.
- ***Permeable Reactive Barriers could save up to \$100,000-*** “ITRC Information is wonderful! That ITRC exists and covers PRB use was a boon to the acceptance of the technology. It is interesting to track emerging and expanding technologies and the efforts of those using them,” Steve Carlson of STS Consultants said. He participated in the ITRC *Advanced Techniques for Permeable Reactive Barrier* internet training. He noted “the experience was beneficial in describing the utility of an application to the regulator.”
- ***Natural Attenuation Document & Training useful in cleanup-*** “Knowledge of numerous remediation strategies and technologies is important in developing the best, most cost-effective solution to cleanup,” states Mark Collins whose firm, HDR Engineering, works on a multitude of environmental cleanup issues.
- ***Passing on Knowledge within the state:*** Paul Eger, MN DNR, has been an active ITRC member several years and is an instructor and co-team leader. He suggests the information he has learned has been directly applicable to the work he’s doing in Minnesota and that his experience has been helpful and informative to others as well.

## Through ITRC Minnesota leverages resources from across the country:

- Minnesota's environmental experts receive free on-line training – nearly 130 participants trained in Minnesota
- Classroom training, free to regulators, brings hands-on tools to better prepare environmental professionals to make better decisions- 18 trained from Minnesota
- Minnesota shares expertise by participating on two ITRC technical teams and in return has access to a national network of experts

## Minnesota's use of ITRC resources leads to better decision-making:

- Improved permitting processes
- ITRC information leads to faster cleanup decisions
- ITRC experts provide knowledge transfer and guidance on complex issues
- Members dedicated to optimizing state resources and reducing compliance costs while protecting human health and the environment

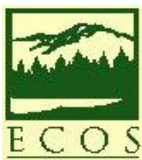
## ITRC creates a cultural shift in the way cleanup is planned & implemented:

- Reduces regulatory barriers for the use of innovative technologies for environmental remediation through guidance documents and sharing of technical expertise
- Leads a culture change in environmental decision-making, replacing long-standing adversarial relationships with collaboration, consensus and concurrence

## Additional Information:

[www.itrcweb.org](http://www.itrcweb.org)

### ITRC is hosted by:



### ITRC Federal Sponsors:



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