

Status Report - Technology Cost and Performance Activities

*Federal
Remediation
Technologies
Roundtable*

- ◆ Treatment Technology Case Studies
- ◆ Site Characterization and Monitoring
- ◆ Remediation Technology Assessments
- ◆ Long-Term Management/Optimization

**John Kingscott
May 25, 2005**

Recent Activities

- ◆ Added 45 new reports
- ◆ Produced fact sheets
 - Overall summary of case studies
 - Long-Term Monitoring/Optimization Reports
 - Remediation Technology Assessment Reports
- ◆ Preparing Abstracts Volume of Remediation Technologies (9th Volume)
- ◆ No CD-ROM this year
- ◆ Obtained website statistics

TREATMENT TECHNOLOGY CASE STUDIES

New Treatment Technology Case Studies

Spring 2005

Agency	New Case Studies	Technology
Navy	1	Phytoremediation
ESTCP	2	In Situ Flushing; Phytoremediation
EPA (OSRTI)	5	In Situ Chemical Reduction; In Situ Thermal Treatment; Solidification/Stabilization; Thermal Desorption
States (SCRD)	5	In Situ Bioremediation; In Situ Chemical Oxidation; Soil Vapor Extraction
Total	13	

SITE CHARACTERIZATION AND MONITORING

New Site Characterization and Monitoring Case Studies Spring 2005

Agency	New Case Studies	Technology
Navy	1	Inorganic Chemical Characterization
ESTCP	3	Unexploded Ordnance Characterization
EPA-documented projects (some based on work by other Federal agencies)	4	Triad-Related Strategies/Techniques
ITRC	2	Organic Chemical Characterization; Miscellaneous/Leak Detection
Total	10	

**REMEDIATION TECHNOLOGY
ASSESSMENT REPORTS
(Based on applications at
multiple sites)**

Remediation Technology Assessments

- ◆ Added 9 reports (total of 63)
 - Documents based on cost and performance data
 - Documents support technology selection and design
 - Documents are not solely regulatory assessments, technology descriptions, or application surveys
- ◆ Produced draft fact sheet to identify most useful reports

LONG-TERM MANAGEMENT/ OPTIMIZATION

Long-Term Management/Optimization

- ◆ Added 13 new case study reports (total of 86)
- ◆ 7 reports are for groundwater monitoring optimization (including use of MAROS, 3-Tiered Monitoring Network Optimization; and Geostatistical Temporal-Spatial [GTS] Algorithm)
- ◆ Fact sheet produced for long-term management/optimization resources

Long-Term Management/Optimization Profile of Contents

- ◆ Optimization of pump and treat systems
- ◆ Evaluation/optimization of groundwater monitoring networks
- ◆ Capture zone analysis
- ◆ Procedures such as RAO, RPO, or RSE
- ◆ Reports include application of a model (10) and follow up observations after completion of optimization (30)

Next Steps

- ◆ Comment on Technology Assessment Reports Fact Sheet by June 10
(otto.martha@epa.gov)
- ◆ Distribute Fact Sheet
- ◆ Update Points of Contact

Federal Agency Cost and Performance Points of Contact

Organization	Point of Contact *
Army AEC	Layne Young
USACE	Charles Coyle
Navy	Charles Reeter/Joey Trotsky
Air Force	Erica Becvar
ESTCP	Andrea Leeson
DOE	Skip Chamberlain
EPA	John Kingscott/Marti Otto
NASA	Mark Schoppet

* If any of the above points of contact have changed, please provide updated information