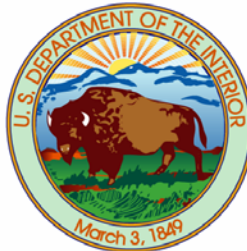


Status Report - Technology Cost and Performance Activities



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 | |

**REMEDICATION 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