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Navy Alternative Restoration Technology Team (ARTT)



- Use of Existing Videos



- \$96K/1 year
- Six 1/2-Day Seminars at 6 Different Fractured Rock Sites
 - Identification of Contaminant Flux Zones in Fractures
 DNAPL in Fractured Rock (architecture, groundwater impacts)
 - DNAFE III FIACIDIED ROCK (
 - Diffusion in Rock Matrices
 - Sorption and Abiotic Reaction in Rock Matrices
 - Estimating Plume Longevity and Practical Limits of Remedial Effectiveness (via models, field testing techniques)
 - Discussion of Remedial Approaches



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Catalyzing Rapid Information Transfer Among Key Stakeholders on Per- and Polyfluoroalkyl Substances (PFASs) at Contaminated Military Sites (Jennifer Field/Oregon State U)

- \$106K/1.5 years
- Frequently Asked Questions (FAQ)
- Reference Document
- Structures, Glossary of Terms, Frequency of Occurrence Data
- Videos (3) Posted to YouTube and Program Website
- On-Line Workshops
- Disseminate Info from FAQ and Reference Document
- On-Site Analytical Workshops for Vendor Laboratories
 Hosted by Oregon State U and Colorado School of Mines
 - Sample Collection/Transport, Sample Prep, Analytical Strategies

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Delivering Improved Understanding of Natural Attenuation Processes Using Massive Open Online Course (MOOC) (Pedro Alvarez/Rice U)

- \$150K/1 year
- Enrolled Scheduled Class (9-week class)
 - Videos, Homework/Quizzes
 - Class Blog/Instructor Emails
 - Certificate of Completion
- Archived On-Demand Course (Self-paced)
- Selected Videos, Optional Homework, Assignment Tracking
 Review previous discussions/blogs
- Active previous discussio
- Certificate of Completion
- Utilizes Rice U's Coursera Platform

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