1,4-Dioxane: Science, Characterization & Analysis, and Remediation (6/8/23)

Biofuels: Release Prevention, Environmental Behavior, and Remediation - (9/30/14)

Complex Sites: Remediation Management of Complex Sites - (9/22/22)

Contaminated Sediments: Remedy Selection for Contaminated Sediments - (1/9/18)

Contaminated Sediments: Incorporating Bioavailability Considerations into the Evaluation of Contaminated Sediment Sites - (4/18/13)


DNAPL: Integrated DNAPL Site Characterization - (1/14/20)

DNAPL: Integrated DNAPL Site Strategy - (9/19/17)

DNAPL: In Situ Bioremediation of Chlorinated Ethene - DNAPL Source Zones - (5/24/2011)

DNAPL: Strategies for Monitoring the Performance of DNAPL Source Zone Remedies - (2/7/06)

DNAPL: Surfactant/Cosolvent Flushing of DNAPL Source Zones - (3/10/05)

Ecological Use: Planning and Promoting of Ecological Land Reuse of Remediated Sites - (5/5/08)

EDM: Best Practices for Achieving and Maintaining Quality within Environmental Data Management - (4/2/23)

EDM: Best Practices for Exchanging Environmental Data - (4/6/23)
**EDM:** Real Life Application of Data Management Planning and Field Data Collection Best Practices - (2/23/23)

**Enhanced Attenuation of Chlorinated Organics:** A Site Management Tool - (4/28/11)

**Environmental Molecular Diagnostics:** New Tools for Better Decisions - (1/3/16)

**Fractured Rock:** Characterization and Remediation of Fractured Rock - (9/20/22)

**Geospatial Analysis** for Optimization at Environmental Sites - (11/5/19)

**Groundwater Statistics** for Environmental Project Managers - (3/7/19)

**HCBs:** Strategies for Preventing and Managing *Benthic* Harmful Cyanobacteria Blooms - (3/9/23)

**HCBs:** Strategies for Preventing and Managing Harmful Cyanobacteria Blooms - (3/2/23)

**Human Health:** Issues and Options in Human Health Risk Assessment - (2/7/19)

**In Situ Bioremediation in Groundwater:** Systematic Approach to In Situ Bioremediation in Groundwater: Nitrates, Carbon Tetrachloride & Perchlorate - (11/19/02)

**In Situ Chemical Oxidation:** What is New with In Situ Chemical Oxidation? - (9/20/05)

**In Situ Remediation:** Optimizing Injection Strategies and In situ Remediation Performance - (12/6/22)

*This list represents archived trainings provided by ITRC through CLU IN. Trainings have not been amended since publication. Some content may be out of date and may no longer apply.*
**Institutional Controls:** Long-term Contaminant Management Using Institutional Controls - (4/10/22)

**Landfills:** Evaluating, Optimizing, or Ending Post-Closure Care at Municipal Solid Waste Landfills - (2/26/09)

**Landfills:** Characterization, Design, Construction and Monitoring of Bioreactor Landfills - (4/10/08)

**Landfills:** Design, Installation and Monitoring of Alternative Final Landfill Covers - (4/13/04)

**LNAPL:** Connecting the Science to Managing LNAPL Sites a 3 Part Series: Part 1 - (2/8/22)

**LNAPL:** Connecting the Science to Managing LNAPL Sites a 3 Part Series: Part 2 - (2/15/22)

**LNAPL:** Connecting the Science to Managing LNAPL Sites a 3 Part Series: Part 3 - (3/1/22)

**LNAPL:** An Improved Understanding of LNAPL Behavior in the Subsurface - State of Science vs. State of Practice - Part 1 - (5/4/17)

**LNAPL:** Characterization and Recoverability - Improved Analysis - Part 2 - (5/11/17)

**LNAPL:** Evaluating LNAPL Remedial Technologies for Achieving Project Goals - Part 3 (5/18/17)
**ARCHIVED TRAININGS**

**Mass Flux and Mass Discharge**: Use and Measurement of Mass Flux and Mass Discharge - (9/28/17)

**Metals and Radionuclides**: A Decision Framework for Applying Attenuation Processes to Metals and Radionuclides - (10/13/11)

**Microplastics** - (3/7/23)

**Microplastics Policies & Research Around the Globe** - (3/22/23)

**Mining**: Biochemical Reactors for Treating Mining Influenced Water - (12/7/15)

**Mining**: Waste Treatment Technology Selection - (4/20/14)

**Munitions**: Quality Considerations for Multiple Aspects of Munitions Response Sites - (2/21/19)

**Munitions**: Geophysical Classification for Munitions Response - (9/18/18)

**Munitions**: Survey of Munitions Response Technologies - (7/16/09)

**Munitions**: Site Investigation and Remediation for Munitions Response Projects - (1/30/07)

**Munitions**: Geophysical Prove-Outs for Munitions Response Projects - (1/25/05)

**Munitions**: Response Historical Record Review (MRHRR) - (6/22/04)

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Natural Attenuation of Chlorinated Solvents in Groundwater: Principles and Practices - (9/23/03)

Natural Attenuation of Chlorinated Solvents in Groundwater: Principles and Practices & Historical Case Analysis of Chlorinated Volatile Organic Compound Plumes - (12/13/00)

Passive Diffusion Bag Samplers for Volatile Organic Compounds in Ground Water - (9/25/03)

Passive Sampling: Protocol for Use of Five Passive Samplers - (9/14/10)

Perchlorate Remediation Technologies - (10/7/10)

Perchlorate: Overview of Issues, Status, and Remedial Options - (1/15/08)

Permeable Reactive Barriers: Technology Update - (10/11/12)

Permeable Reactive Barriers: Lessons Learned and New Directions - (6/15/06)

Permeable Reactive Barriers: Advanced Techniques on Installation of Iron Based Permeable Reactive Barriers and Non-Iron Based Barrier Treatment Material - (3/21/02)

Permeable Reactive Barriers for Chlorinated Solvent, Inorganic, and Radionuclide Contamination - (3/19/02)

Petroleum Vapor Intrusion: Fundamentals of Screening, Investigation, and Management - (4/11/19)
PFAS: 101 Training - (4/13/23)

PFAS Roundtable: Treatment Technologies & Aqueous Film Forming Foam - (4/6/21)

PFAS Roundtable: Physical and Chemical Properties, Site Characterization, Fate and Transport - (10/6/20)

Phytotechnologies - (4/10/11)

Risk Management for Site Remediation - (1/13/14)

Radiation Site Cleanup: CERCLA Requirements and Guidance - (6/5/07)

Radiation Risk Assessment: Updates and Tools - (4/15/07)

Radiologically-Contaminated Facilities: Decontamination and Decommissioning of Radiologically-Contaminated Facilities - (3/4/10)

Remediation Process Optimization Advanced Training - (8/16/07)

Remediation Process Optimization: Performance-based Environmental Management - (1/26/10)


Risk Assessment: Use of Risk Assessment in Management of Contaminated Sites - (8/30/11)

This list represents archived trainings provided by ITRC through Clu.in. Trainings have not been amended since publication. Some content may be out of date and may no longer apply.
**Risk Assessment and Risk Management:** Determination and Application of Risk-Based Values - (4/8/10)

**Small Arms Firing Ranges:** Characterization and Remediation of Soils at Closed Small Arms Firing Ranges - (6/10/03)

**Small Arms Firing Ranges:** Environmental Management at Operating Outdoor Small Arms Firing Ranges - (6/28/05)

**Soil** Background & Risk Assessment - (1/24/23)

**Soil:** Bioavailability of Contaminants in Soil: Considerations for Human Health Risk Assessment - (5/3/22)

**Soil:** Incremental Sampling Methodology (ISM-2) Update Training Modules - (10/4/22)

**Soil** Sampling and Decision Making Using Incremental Sampling Methodology - Part 1 - (1/5/17)

**Soil** Sampling and Decision Making Using Incremental Sampling Methodology - Part 2 - (1/12/17)

**Soil:** Real-Time Measurement of Radionuclides in Soil - (10/28/08)

**Solidification/Stabilization:** Development of Performance Specifications for Solidification/Stabilization - (6/25/13)

**Stormwater:** Panel Event: Stormwater Best Management Practices Performance Evaluation - (9/10/19)
**Sustainability:** Sustainable Resilient Remediation (SRR) - (4/11/23)

**Sustainability:** Green & Sustainable Remediation - (2/20/14)

**TPH Risk Evaluation at Petroleum-Contaminated Sites** - (2/21/19)

**Triad Approach:** A New Paradigm for Environmental Project Management - (2/10/05)

**Vapor Intrusion Mitigation (VIM-1)** - A Two Part Series (Part 1) - (6/1/23)

**Vapor Intrusion Mitigation (VIM-1)** - A Two Part Series (Part 2) - (6/6/23)

**Vapor Intrusion Pathway:** A Practical Guideline - (4/29/08)

**Wetlands:** Guidance for Characterization, Design Construction and Monitoring of Mitigation Wetlands - (10/11/05)

**Wetlands:** Constructed Treatment Wetlands - (1/7/05)