Path Forward for Triad Implementation

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Key Messages

- Summarize triad “campaign” to date
- Describe plans and opportunities for future
- Invite FRTR member participation in path forward
Multi-Faceted Approach

- Resources
- Training
- Technical Support
- Presentations

Triad Support Network
Principal Triad Resources

- EPA website cluin.org/triad
- Adaptive Sampling & Analysis Programs (ASAP) “Green Book” (DOE-Argonne, 2001)
- Triad Fact Sheets (EPA 2001)
- Dynamic Field Activities (DFA) Guidance (EPA 2003)
- Triad On-Line Resource Center (EPA/Argonne 2004)
Principal Triad Resources (Cont’d)

- Site-Specific Documentation (Ongoing)
  - Case Studies
    - Wenatchee Tree Fruit/Immunoassay
    - Cos Cob/XRF, on-site lab
  - Project RFPs/Plans
Brownfield Triad Resources

- Assessing Contractor Capabilities for Streamlined Site Investigations (2000)
- Requesting and Evaluating Proposals that Encourage Innovative Technologies for Investigation and Cleanup (2001)
- Using the Triad Approach to Streamline Brownfields Site Assessment and Cleanup (2003)

www.brownfieldstsc.org
Triad Journal Articles/Papers

- “Managing Uncertainty in Environmental Decisions” (ES&T, Oct. 1, 2001)
- “Using the Triad Approach to Improve the Cost-Effectiveness of Hazardous Waste Site Cleanups” (Oct. 2001)
- “In Search of Representativeness: Evolving the Environmental Data Quality Model” (Quality Assurance, 2002)
- Improving Decision Making: Making the Case for Adopting Next Generation Site Characterization Practices” (Remediation, Spring 2003)
Triad Presentations/Training

- Internet seminars on fundamentals (1-2 hours)

- Numerous conferences
  - Superfund Site Assessors
  - EPA Risk Assessors
  - USACE Chemists Annual Meeting
  - EPA QA/QC/Lab Staff
  - USACE/EPA Remediation Conf. 12/03
  - EPA Remedial Project Managers (NARPM)

- NJ Training (regulators, consultants-2003)

- EPA Region 2 Training (Nov. 2003)
Triad Presentations/Training

Plans for 2004

- Establish a triad “speakers bureau”
- Hold a national triad seminar (mid 2004)
- Region 2 On-Scene Coordinators (OSCs)
- Train 1-3 additional regions
- Participate in ITRC internet training
- Expand conference participation
  - Case studies
  - Panel discussions on overall cost savings
  - Battelle Spring 2004 (proposed)
  - AEHS Fall 2004 (proposed)
- FRTR agency training?
Triad Technical Assistance

- **USACE** assists EPA site managers for Superfund, RCRA, UST, and Brownfields sites (Kira Lynch, Seattle District)
- **Brownfield Tech Support Center** (thru EPA contractor) assists regions/states/localities with Brownfield sites
- **DOE Argonne Nat’l Lab** assists UST site managers (Jack Ditmars)
- **EPA/ORD (LV) and EPA/Environmental Response Team (ERT)** will assist EPA Superfund site managers
Proposed Joint Implementation

- Need to build “triad capacity”

- Experts
  - Conveners/facilitators
  - Field/implementation support
  - Outreach & training (“speakers bureau”)
  - Specialists

- Experts training in early 2004
  - Participants must have existing “triad” or specialty experience
  - 2 days on triad concepts, implementation, & roles

- Technical Support “Centers”
Multi-Faceted Approach

- Resources
- Training
- Technical Support
- Presentations

Triad Support Network
Proposed Joint Implementation (Cont’d)

- **Triad Support Network**
  - Members from agencies, EPA regions & labs, states, academia
  - Periodic conference calls

- **Goal to exchange information and identify:**
  - Site opportunities and needed triad support
  - Training & presentation opportunities
  - Case studies & project plans
  - More “experts”

- **Coordinate with USACE Triad Innovative Technology Advocates (ITAs)**
Next Steps

- Identify staff for Triad Experts Training
- Identify staff for Triad Support Network
- Contact Linda Fiedler at fiedler.linda@epa.gov or 703-603-7194