US Army Corps of Engineers – 13 Lucky Years of Remediation Optimization

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Remediation System Evaluations (RSEs): History

- Developed process in 1997
- First applied in 1998 (EPA, Army sites)
- Independent, Expert, Holistic evaluation of post-construction long-term remedies for:
  - Effectiveness and costs
  - Strategic approach
  - Maintenance of Government equipment
- Adopted by EPA in 2000 (participated in >35 RSEs)
- Applied for Army, FUDS, Air Force, DOE, NASA
RSE Process

- Data review
- Site visit
  - 1-2 days
  - Interviews
  - Inspection of equipment, facilities
- Data analysis
  - Subsurface performance
  - Above-ground performance
  - Monitoring program
- Report with recommendations
Other Optimization Activities

- Long-term monitoring optimization efforts
- Incorporating sustainability into RSEs
- Optimization as part of five-year (periodic) reviews
- Value-engineering support
- Feasibility study “optimization”
- Currently assessing potential optimization benefits for Army cleanup programs