

# 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**

