

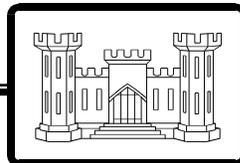
EM 200-1-6 Update

Chemical Quality Assurance for HTRW Projects

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Chemical Data Quality Management Branch

5 March 2002



PURPOSE

- Companion Document to ER 1110-1-263
- Provide “Tools” and Guidance for QA Based on Project DQOs
- Provide Definitive Framework to Specify QA/QC Procedures for Flexible CDQM Program
- Ultimate Goal - Specify and Document an Appropriate, Adequate, and Cost-Effective CDQM Approach

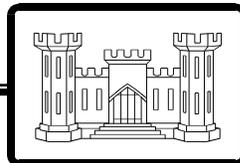
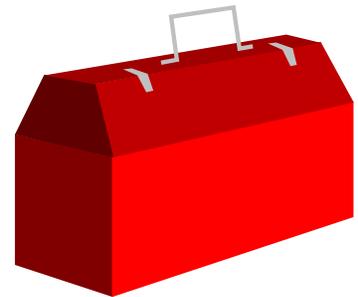
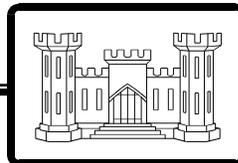
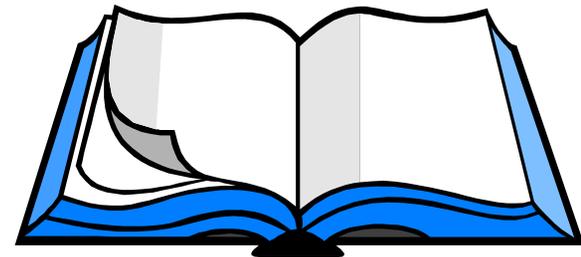


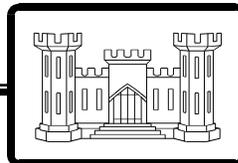
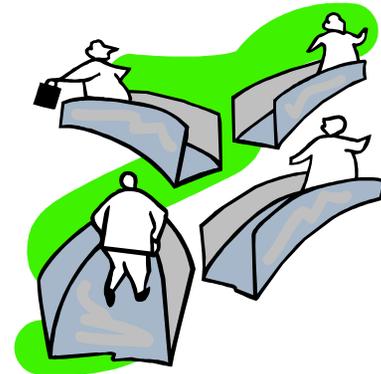
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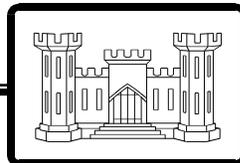
QA Sample Analysis & Evaluation

- Sample Handling of Quality Assurance Samples
- QA Sample Collection & Analysis
- CQAR Generation



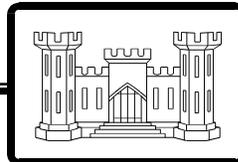
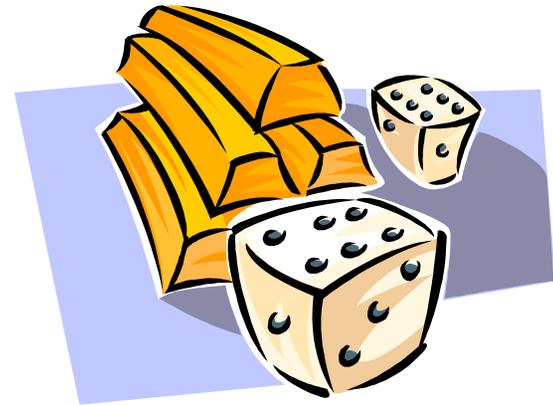
Data Quality Assessment

- Sample Handling of Project Samples
- Single/Double Blind PE Samples
- Validation of Data
- Lab Audits
- Tape Audits



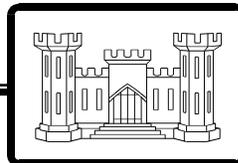
Data Usability Assessment

- Technical Document Review
- Review of Primary Lab Data
- CDQAR Generation



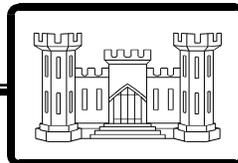
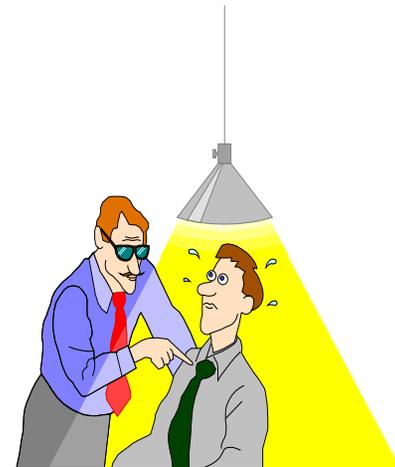
Real-Time Oversight

- Field Audits
- Confirmation Sample for Field Analytics
- Real-Time Lab Monitoring



QAM Audit

- Review Project Management Plan & QAPP
- Check Lab Certification
- Check QAPP Requirements
- Toolkit Checklist (Appendix)
- Process for Archiving Data



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