

QUALITY ASSURANCE PROJECT PLAN
ISCORS SEWAGE SLUDGE/INCINERATOR ASH SUBCOMMITTEE

Sewage Sludge Survey

Public Presentation
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What Will Be Discussed

- **What Is A QAPP?**
- **How Was It Developed?**
- **What Does It Cover?**
- **What Are The Principal QA/QC Safeguards?**

WHAT IS A QUALITY ASSURANCE PROJECT PLAN?

- A tool for managers and planners to document type and quality of data needed for environmental decisions
- Blueprint for collecting and assessing environmental program data
- Development, review, approval, & implementation of QAPP is part of mandatory Quality System
- QAPP is integral part of fundamental principles of quality management
- Provides overview of how laboratory analysis portion of survey project will be conducted, includes quality checks and controls for procedures, methodologies, staff, samples, equipment, corrective actions, reporting.
- Once approved, it becomes a “living document” – revised as appropriate to reflect procedural changes, plan improvements gained thru experience

How Was It Developed?

- QAPP is an EPA requirement, adapted for this project including input from participating agencies and laboratories
- First begun in draft when Subcommittee planned 9 site pilot project-conducted in 1997-blended NAREL and ORISE lab and quality procedures
- 9 site pilot project served as test of laboratory and quality control procedures for achieving comparability in analyzing environmental radiation samples of sewage sludge and ash
- Statistical evaluations of differences in radiation measurements for pilot survey served to provide means to revise procedures; lessons learned in handling/distribution of samples required changes in survey design/QAPP
- Discussions and marathon phone conferences between 1997 and 1999 resulted in final approval by NAREL and ORISE of the QAPP, approval by members of ISCORS-Sewage Sludge/Ash Subcommittee 11/99

What Does It Cover?

Document Approvals
Distribution List
Revision History

1.0 Project Description	1
2.0 Project Organization and Responsibilities	6
3.0 Project Quality Objectives	6
4.0 Procurement and Acceptance Requirements	12
5.0 Instruments and Equipment	12
6.0 Documentation and Records	13

7.0	Sampling Process Design	17
8.0	Sampling Procedures	17
9.0	Laboratory Sample Receipt	21
10.0	Laboratory Sample Preparation Procedures	21
11.0	Analytical Procedures	22
12.0	Data Management	27
13.0	Reports to Management	29
14.0	Assessments and Responses	32
15.0	Implementation of the QAPP	35

What Are The Principal QA/QC Safeguards?

- Utilization of requirements of:

Quality Assurance Manual for the Energy/Environment Systems Division, Environmental Survey and Site Assessment Program (EESAP) of ORISE

The Quality Assurance Plan for the National Air and Radiation Environmental Laboratory

NAREL Standard Operating Procedure for the Review of Radioanalysis Data

EPA QA/R-5, “EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations,”

Method and Standard Operation Procedure directives for NAREL and ORISE

- Data Quality Objectives for laboratory analysis of samples—Section 11 of QAPP