



## Department of Energy

Washington, DC 20585

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### MEMORANDUM FOR DISTRIBUTION

FROM: CHARLES B. LEWIS, III   
DIRECTOR  
OFFICE OF CORPORATE SAFETY PROGRAMS  
OFFICE OF HEALTH, SAFETY AND SECURITY

SUBJECT: U.S. Department of Energy Analytical Services Program  
Fiscal Year 2007 Report

Attached is the Department of Energy's (DOE) Analytical Services Program (ASP) Fiscal Year (FY) 2007 Report. The report summarizes the ASP's activities, which support field implementation of analytical services in the following areas:

- Department of Energy Consolidated Audit Program (DOECAP).
- Mixed Analyte Performance Evaluation Program.
- Systematic Planning and Data Assessment Tools and Training Program.

ASP provides various benefits to the Department. These benefits include: reducing DOE liabilities associated with analytical data and the proper disposition of low-level and mixed radioactive and chemical wastes; elimination of costly redundant audits; improvement in the overall performance levels of laboratories and waste facilities, including the quality and credibility of data to support regulatory compliance and field decision-making; and application of software toolkits to enhance environmental field data collection to define and meet Data Quality Objectives.

There were 38 DOECAP audits of analytical laboratories and commercial waste treatment, storage, and disposal facilities (TSDFs) completed in FY 2007. All audited laboratories and TSDFs are under contractual agreements with field site contractors to provide analytical data services and waste disposal of low-level, mixed, and chemical wastes. The consolidated audits eliminated duplicative independent audits by the field at an estimated cost savings to the taxpayer, of over \$2.3 million. A review of all corrective action plans and annual field validation during auditing activities, show that findings from the previous year's audit revealed over 90% were closed. This indicates the recognition and importance laboratories and waste facilities place in DOECAP.



Over 120 analytical laboratories, including 15 international laboratories, participated in the Department's corporate proficiency testing program as implemented by the Radiological and Environmental Sciences Laboratory at the Idaho National Laboratory. The proficiency testing program for radiological, stable inorganic, and organic constituents assists the field by ensuring the quality of environmental data. This supports regulatory compliance requirements and milestones, and decision-making for remedial cleanup actions and site closure actions.

Software toolkits used to support the planning, design and application of environmental field sampling statistical methodologies and decision making were developed in response to field-identified needs. Training courses were also taught at three field sites using the Visual Sample Planning software and the Data Quality Objectives planning process.

If you have any questions, please contact George E. Detsis, of my staff, at (301) 903-1488 or [george.detsis@hq.doe.gov](mailto:george.detsis@hq.doe.gov).

Attachment: U.S. Department of Energy Analytical Services Program Fiscal Year 2007 Report

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