



**Office of Environmental Management
Office of Safety Management and Operations
Office of Operations Oversight**

Presented to

**National Spent Nuclear Fuel Program Meeting
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Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF)

Objectives

- To evaluate adequate and effective implementation of Quality Assurance (QA) Program activities pertinent to the EM-owned HLW and SNF sites.
- To ensure that the EM-owned HLW and SNF sites will meet the established technical requirements for acceptance in an RW-managed, U.S. Nuclear Regulatory Commission (NRC)-licensed disposal facility.

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

How do we achieve objectives?

- Memorandum for the Under Secretary, December 19, 2003, Clarification of Roles and Responsibilities, for the DOE EM/RW oversight activities. (New MOA will replace it)
- Conduct audits using latest version of Administrative Procedure AP-18.4Q, DOE EM/RW Oversight process.
- LP-16.2Q-OCRWM, Management of Conditions Adverse to Quality for External Organizations.
- Participation of NRC Observer (s) in Audits.
- Compliance with latest revision of DOE/RW-0333P, Quality Assurance Requirements and Description, (EM sites are using QARD Revision 17 instead of 18).

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

FY 2007 QA Audits Schedule and Status:

Jointly approved EM/RW in October 2006 QA annual audits schedule for FY 2007

Audit Number	Organization to be Evaluated	Location	Audit Start Date
07-DOE-AU-001	SRNL PDP(HLW)	Aiken, SC	December 12-14, 2006
07-DOE-AU-002	NSNFP (SNF)	Idaho Falls, ID	March 2007
07-DOE-AU-003	SRS DWPF (HLW)	Aiken, SC	April 2007
07-DOE-AU-004	WVDP (HLW)	West Valley, NY	May 2007
07-DOE-AU-005	INL (SNF)	Idaho Falls, ID	July 2007
07-DOE-AU-006	Hanford (SNF)	Richland, WA	September 2007
07-DOE-AU-007	ORP Hanford (HLW)	Richland, WA	June 2007 (see note 1)

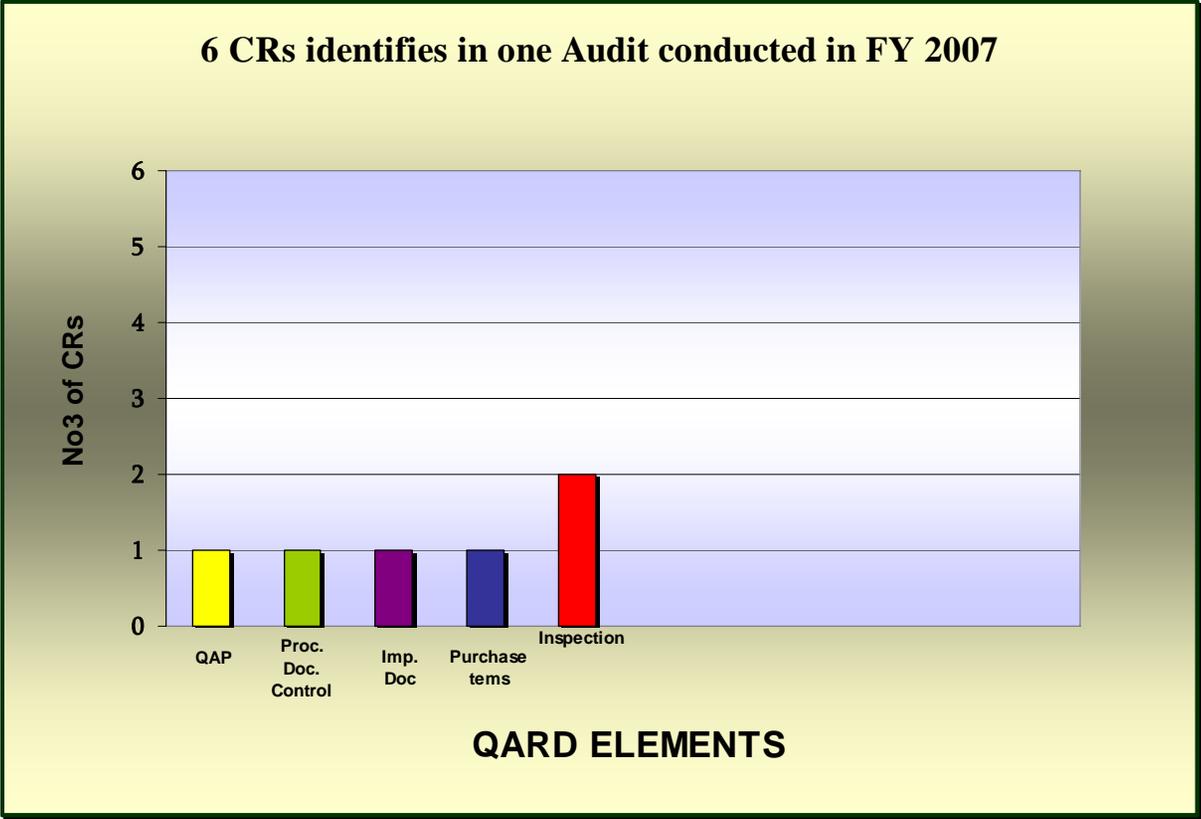
Note 1: The review of the contractor's Quality Assurance Program implementing documents are in-process. EM/RW will visit site to determine status of the QA program.

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

FY 2007 QA Audits Schedule and Status (Cont.):

- **Audit Number 07-DOE-AU-001(SRNL-HLW): Identified following six conditions adverse to quality:**
 - 1-QA Program
 - 1-Procurement Document Control
 - 1-Implmenting Documents
 - 1-M&TE
 - 2-Scientific Investigation

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)



Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

FY 2006 QA Audits Schedule and Status:

**Audit Number 06-DOE-AU-001(SRNL-HLW):
Identified following seven conditions adverse to
quality:**

- 1- Organization
- 1- Document Control
- 1- Control of Purchased Items & Services
- 1- M&TE
- 1- Non-Conformances
- 2- Audits

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

FY 2006 QA Audits Schedule and Status (Cont.):

- **Audit Number 06-DOE-AU-002 (NSNFP-SNF): Identified following two conditions adverse to quality:**
 - 1-QA Records
 - 1-Audits

- **Audit Number 06-DOE-AU-003 (SRS DWPF-HLW): Identified following three conditions adverse to quality:**
 - 1-M&TE
 - 1-Audits
 - 1-Scientific Investigation

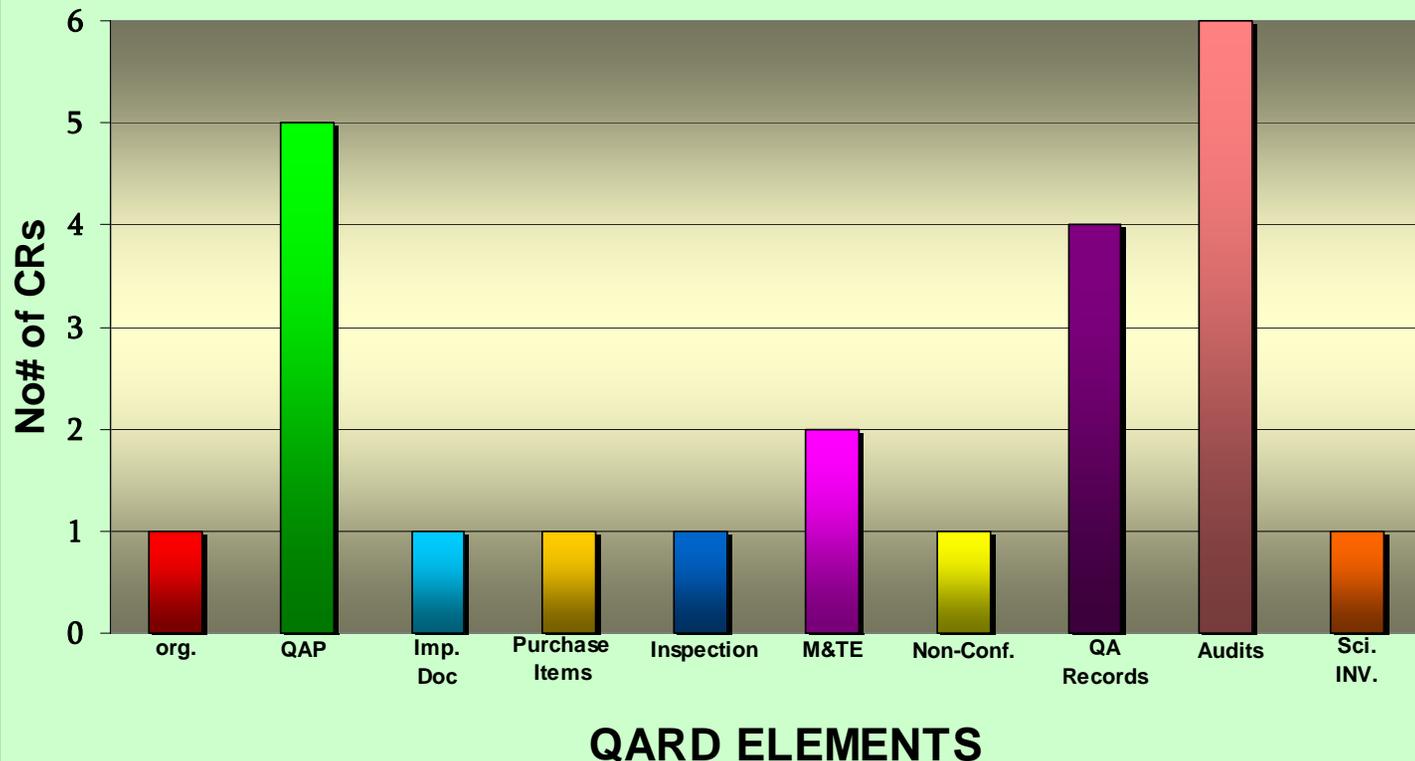
Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

FY 2006 QA Audits Schedule and Status (Cont.):

- **Audit Number 06-DOE-AU-004 (WVDP-HLW): Identified following two conditions adverse to quality:**
 - 2-QA Records
- **Audit Number 06-DOE-AU-005 (INL-SNF): Identified following four conditions adverse to quality:**
 - 2-QA Programs
 - 1-Inspection
 - 1-Audits
- **Audit Number 06-DOE-AU-006 (Hanford-SNF): Identified following five conditions adverse to quality:**
 - 3-QA Programs
 - 1-QA Records
 - 1-Audits

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

23 CRs identified in six QA Audits conducted in FY2006



Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

Conclusion:

- According to the MOA, EM has responsibility to flow down appropriate Quality Assurance requirements to contractors performing work subject to QARD. EM has to decide which EM office has this responsibility.
- RW has to revise QARD to reflect new MOA requirements.
- RW/EM jointly have to approve QA oversight procedures AP-18.4 Q.

Quality Assurance Program for High-Level Waste (HLW) and Spent Nuclear Fuel (SNF) (Cont.)

Conclusion (Cont.):

- EM Appreciate support provided by National SNF Program, EM-sites, SRNL , RW and EM/HQ Offices
- If QA staff from any site is willing to participate, please contact me or Bob Toro, OQA/RW-3

Overall, QA programs evaluated in FY2006 were effective.