

Office of Environmental Management Office of Safety Management and Operations Office of Operations Oversight EM-62

Don Armour
NSNFP Strategy Meeting
August 8-9, 2007
Richland, WA



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

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 DOE-owned HLW and SNF sites in support of the Office of Civilian Radioactive Waste Management (OCRWM) licensing, waste acceptance, and transportation activities.
- To ensure that the DOE-owned HLW and SNF sites will meet the established technical requirements for acceptance in an OCRWM-managed, U.S. Nuclear Regulatory Commission (NRC)-licensed disposal facility.



How do we achieve objectives?

- Memorandum of Agreement between EM and W for Acceptance of SNF and HLW, February 14, 2007
- Audits conducted using EM/RW Administrative Procedure AP-18.4Q, DOE EM/RW Oversight Process and LP-16.2Q-OCRWM, Management of Conditions Adverse to Quality for External Organizations
- Participation of NRC & Clark County Observer(s) in Audits
- Compliance with latest revision of DOE/RW-0333P, Quality Assurance Requirements and Description

FY 2007 EM/RW QA Audit Schedule/Status

EM/RW jointly approve FY2007 QA Annual Audit Schedule

Audit Number	Organization Evaluated	Audit Date	Status/Results
O7-DOE-AU-001	SRNL (HLW)	12/14-16/2006	E: 6 CR, 1CDA, 2Rec
O7-DOE-AU-002	NSNFP (SNF)	3/19-22/2007	E: 4 CR, 2CDA, 1Rec
O7-DOE-AU-003	SRS DWPF (HLW)	4/23-26/2007	E: 3 CR, 1CDA, 1Rec
O7-DOE-AU-004	WVDP (HLW)	6/19-20/2007	E: 2 CR, 1CDA, 2Rec
O7-DOE-AU-005	INL (SNF)	7/19-22/2007	E: 5 CR, 3Rec (I: QARD Sec2.0)
O7-DOE-AU-006	Hanford (SNF)	9/2007 *	Planning Audit
O7-DOE-AU-007	ORP Hanford (HLW)	9/2007	Planning Audit

*Originally scheduled in June 2007

Summary of FY2007 EM/RW Audit Activities

- 07-DOE-AU-001 (SRNL PDP HLW)
 - 6 CRs (QA Program, Procurement, Procedures, QA Records, and Scientific Investigation[2])
 - One CR (Scientific Investigation) was CDA
 - Corrective Action Plan for 3 CRs reviewed, accepted, verified and closed; awaiting objective evidence to close remaining 3 CRs
- 07-DOE-AU-002 (NSNFP)
 - 4 CRs (Training Procedure, Procurement, QARD Matrix, and Technical Notebook)
 - 2 CRs (Matrix and Technical Notebook) were CDA
 - All CRs reviewed, accepted, verified, and closed



Summary of FY2007 EM/RW Audit Activities (cont'd)

- 07-DOE-AU-003 (SRS DWPF HLW)
 - 3 CRs (Management Assessment, QA Records, and QARD Matrix)
 - One CR (QARD Matrix) was CDA
 - Awaiting corrective action for 2 remaining CRs
- 07-DOE-AU-004 (WVDP HLW)
 - 2 CRs (QARD Matrix and QA Records)
 - 1 CRs (QA Records) was CDA
 - Awaiting issuance of report

Summary of FY2007 EM/RW Audit Activities (cont'd)

- 07-DOE-AU-005 (ID ICP SNF)
 - 5 CRs (QARD Matrix, Management Assessment, QARD Applicability, Corrective Action, and Calibration)
 - QARD Section 2.0 deemed Ineffective (process for QARD Applicability)
 - Awaiting issuance of audit report
- Summary: No major issues and the QA programs evaluated in FY 2007 are effective.



Other EM/RW QA Topics

- New EM QA POC: Kriss Grisham, EM-61
 - replaces Duli Agarwal, EM-62
- QARD Revisions 19 and 20
 - QARD Rev.19 – Appendix C has no impact on EM HLW/SNF Sites
 - QARD Rev.20 – undergoing internal RW review will integrate EM Waste Custodian-related requirements, and will be provided to EM for formal review

Other EM/RW QA Topics (cont'd)

- Development of Quality Council (participation from EM, RW, and QA representatives from HLW/SNF Sites)
- 10 CFR Part 21 – *Reporting of Defects and Noncompliance* (to NRC)
 - February 14, 2007 EM/RW MOA (VI.B.3) states – EM shall comply with 10 CFR Part 21, *Reporting of Defects and Noncompliance, for those basic components to be used or acceptance at an RW Facility*
 - Implementation aspects/expectations are currently being discussed with RW Waste Management Office

