



U.S. Department of Energy  
Office of Civilian Radioactive Waste Management



# Quality Assurance Overview

Presented to:  
**DOE/NRC Quarterly Management Meeting**

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# Quality Assurance Overview

- **Quality Assurance Requirements and Description (QARD)**
- **Corrective Action Program Oversight**
- **Trending**
- **Office of Quality Assurance (OQA) Audits/Surveillances**
- **Management & Operating (M&O) Contractor Quality Assurance (QA) Audits/Surveillances**



# Quality Assurance Requirements and Description (QARD)

- **QARD Rev 17 accepted by NRC on August 4, 2005**
- **Implementation in progress**



# Corrective Action Program Oversight

- **M&O surveillance of effectiveness of Condition Report (CR) actions**
- **Four M&O surveillances of Level C CR processing**
- **OQA surveillance of DOE Level C CR processing**



# Trending

- **Separate procedures for OCRWM and M&O Contractor**



# Office of Quality Assurance Audits/Surveillances

- **Completed Audits**
  - Office of Repository Development
  - AQAP and Applicable Site Activities
  - BSC Procedural Adequacy
  - Office of Quality Assurance
  - Software QA Activities
  
- **Completed Surveillances**
  - Review of QAMA process



# Office of Quality Assurance Audits/Surveillances

(Continued)

- **Upcoming Audits**
  - **BSC Compliance Audit**
  - **BSC Design**
  - **OCRWM**



# Office of Quality Assurance Audits/Surveillances

(Continued)

- **Completed EM/OCRWM Audits**
  - **INEEL Spent Nuclear Fuel**
  - **Hanford Spent Nuclear Fuel**





# Management and Operating Contractor Quality Assurance Audits/Surveillances

- **Completed QA Audits**
  - **Corrective Action Process**
  - **Scientific Investigation, Measuring and Testing Equipment and Sample Control**
- **Completed QA Surveillances**
  - **Seven surveillances of AMR activities including Data Submittals, Use of Data, and IRANs**
  - **Pre-closure Safety Analysis Calculation**
  - **Six surveillances of YMP Site Activities**
  - **Two surveillances of Training Activities**
  - **Specifications**



# Management and Operating Contractor Quality Assurance Audits/Surveillances

(Continued)

- **Upcoming QA Audits**
  - **U.S. Geological Survey**
  - **National Laboratories including LANL, LBNL, SNL**
  - **BSC Procurement Process**
  
- **Upcoming Notable QA Surveillances**
  - **Corrective Action Program Charter and Initiatives**
  - **Four surveillances of Direct Support Subcontractors implementing OCRWM procedures for YMP Activities**

