

Quality Assurance Briefing



EFCOG

November 16, 2004



Overview

- Background/Purpose
- Identification of QA Focus Areas
- DOE's Corporate QA Improvement Approach
 - Individual Program Reports by Focus Area
- Summary



Background/Purpose

- Background: Meetings with DNFSB Staff as well as internal evaluations have identified six focus areas that must be addressed to improve QA performance.
- Purpose of Briefing: Present the Department's corporate approach to address the focus areas and improve QA performance.



QA Focus Areas

- Leadership
- Flow-down of Requirements
- Integration with ISM
- Implementation of Requirements
- Effective Analyses
- Oversight and Assessment



#1 Quality Assurance Leadership

- Office of Quality Assurance Programs established
 - Integrating QA activities with PSOs
- EH QA Program Plan developed based on responsibilities in DOE O 414.1, FRAM & EH FRA
 - QA Policy Development
 - QA Program Development and Implementation Assistance
 - QA Reviews



#1 Quality Assurance Leadership (cont.)

- Responsible for DOE QA Policy and Guidance
 - DOE O 414.1B issued April 2004
 - DOE O 414.1C RevCom
 - DOE G 414.1-2A (Mngt. Sys) out for comment
 - DOE G 414.1-3 (S/CI) comments incorporated
 - DOE G 414.1-4 (SQA) out for comment
- HEPA FTF transfer from EM to EH
- NQA-1 Executive Committee Member and Applications Subcommittee Chair



#2 Flow-down of QA Requirements

- Sponsor supporting EFCOG activities
 - Welding Lessons Learned
 - Supplier Quality Improvement Initiative
- Participating in QAP and QA field reviews
 - EM & NNSA HQ QAP Reviews
 - EM Site Office QAP Reviews
 - NE AGR Review
 - SC QA Site Review at BNL
 - NA-121 Weapons Quality Requirements Development
- Planned activities:
 - Review DEAR clause for flow-down of QA requirements
 - Comparative analysis of QA program basis
 - Nuclear Safety Enforcement & Price-Anderson reviews



#3 Integration with ISM

- Developed interface with PSOs for QAP and QA field reviews to identify lessons learned for improving QA
- Evaluate ISM integration during QAP/QA field reviews
 - Establishing QAP review criteria with EM
 - Working with PSOs to identify 4 sites for FY2005
- Promote DOE-wide understanding of QA and ISM integration
 - Briefing at November 2004 EFCOG meeting
 - Evaluate Safety Management System Policy and DEAR clause for QA integration
- 2004-1 Implementation Plan development



#4 Implementation of QA Requirements

- QAP and QA field reviews
- QA requirements guidance:
 - NQA-1 and Rule comparison guide
 - DOE G 414.1-2A with QAP review template
- Sponsor EFCOG QA subgroup
- Support PSOs in the adoption of NQA-1
 - QC-1 and NQA-1 guide development



#5 Quality Assurance Analysis

- Enhance Operating Experience Program to better identify QA related issues
 - Welding Lessons Learned
- Establish corporate process to review all data sources to:
 - Analyze trends and assessment results for QA issues
 - Disseminate results as part of operating experience review program or other mechanism
 - Monitor resolution of corrective actions



#6 QA Assessment

- Measurement of QA effectiveness:
 - Develop field review schedule with PSOs
 - EH management reviews at FTF & RESL
- QA effectiveness status report to Deputy Secretary
 - Focus on corrective actions and follow-up

QA Focus Areas vs. QA Activities

	Area 1 Quality Assurance Leadership	Area 2 Flow-down of QA Requirements	Area 3 Integration with ISM	Area 4 Implementation of QA Requirements	Area 5 Quality Assurance Analysis	Area 6 QA Assessment
EH Office of QA Programs	√	√	√	√	√	√
QAP & QA field reviews		√	√	√		√
Sponsor EFCOG activities	√	√	√	√		
Promote ISM/QA integration		√	√	√		
OE Program & data source reviews					√	√
Report to Deputy Secretary	√	√	√	√	√	√
QA Policy & Guidance	√	√	√	√		



QA Summary

- Broad set of QA improvement activities ongoing in EH, EM & NNSA
- Six QA improvement areas identified
- Management is committed to improvement
- AREAS FOR ATTENTION: Methods for improving Implementation, Coordination, and Sharing within Department
- Will keep pressure on and focus on results