

Office of Environmental Management

National Spent Nuclear Fuel Program Strategy Meeting QUALITY ASSURANCE

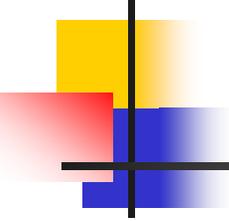
August 26-27, 2008



EM *Environmental Management*

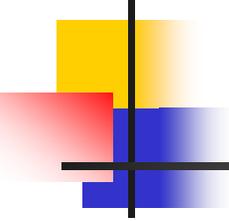
safety ✦ performance ✦ cleanup ✦ closure

www.em.doe.gov



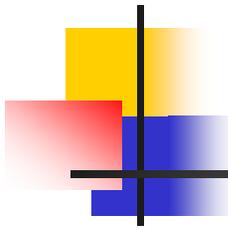
QA Topics

- **EM Corporate QA Program**
- **QARD Revision 20 Implementation**
- **FYs 08/09 Audit Status and Schedule**
- **10 CFR 21 Implementation (RW)**



QA Topic 1

EM Corporate QA Program

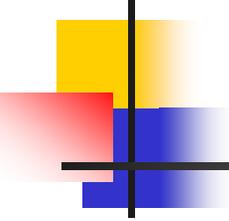


Background

- EM Headquarters (HQ) QA Program revised in 2004 and 2008 and approved by EM-1

- Continuous EM QA Improvement Initiative in 2007 and 2008 - Develop EM Corporate QA Program





EM-Complex QA Vision

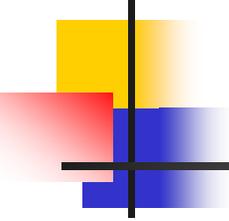
- **EM Corporate Objective:**

- Perform mission work safely AND correctly

- **EM Strategy:**

- Establish a single, integrated EM-Complex QA program and ensure consistent implementation across all EM assets
 - Consistent interpretation and implementation of DOE O 414.1C
 - EM QA Corporate Board (institutionalization of QA)
 - QA managers established at major sites
 - Flow down of QA requirements and EM-1 expectation from federal to contractor staff
 - EM Centralized Training Platform or Academy



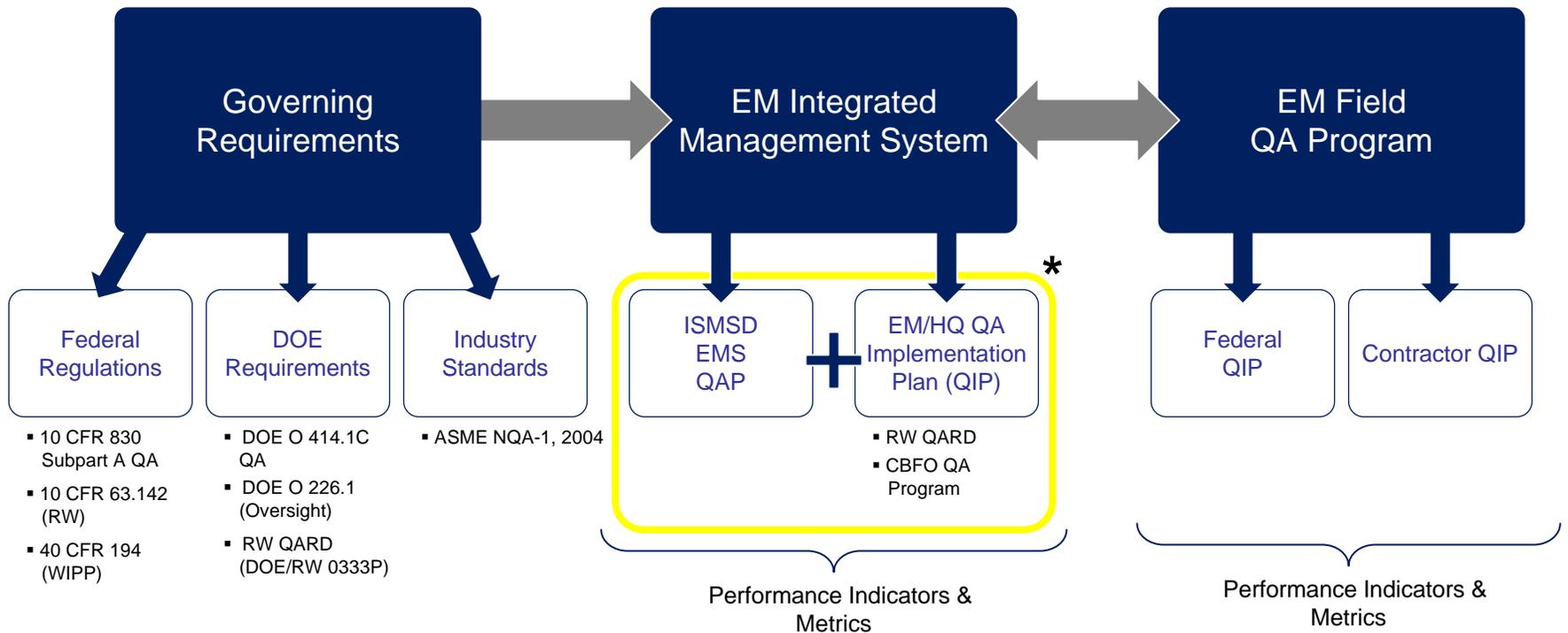


EM-Complex QA Vision (Cont'd)

- Establish a systematic approach for QA Program oversight
 - QA system evaluation and declaration process
 - QA performance metrics system
 - Rigorous assessment and audit process and corrective action
 - Culture of accountability, continuous improvement, and feedback



Integrated EM Corporate QA Program Structure

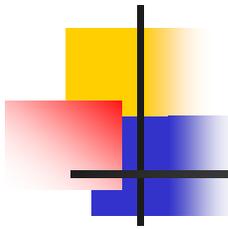


* EM Priority:

Integration of QA and EM Safety Management Systems ----including Development of Corporate Performance

Integrated Quality Management System

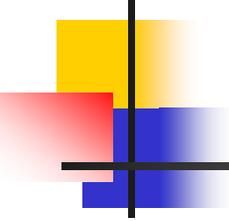
Integrated Quality Management System EM Corporate QAP	
- Purpose and Objective	
- Scope	
- EM Management Commitments & Expectations	
- Roles and Responsibilities	
- Implementation	
- Quality Performance Objectives, Measures, and Commitments (POMCs)	
DOE Order 414.1C Criteria	
Program	Design
Personnel Training and Qualification	Procurement
Quality Improvement	Inspection and Acceptance Testing
Documents and Records	Management Assessment
Work Processes	Independent Assessment
EM HQ QIP EM Field - Federal QIP EM Field - Contractor QIP	



Integration Approach

- **Crosswalk ISM, DOE Order 414.1C/10 CFR 830, and NQA-1**
 - Adopt NQA-1, 2004 as EM Corporate QA consensus standard
 - Use established approved crosswalk to integrate ISM and QA
 - ISMSD, Table 2
 - NQA-1, 2004
 - Subpart 4.5, Table 400

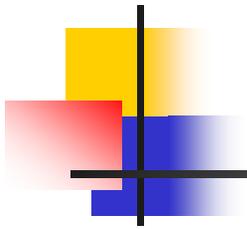




Integration Approach (Cont'd)

- **Establish EM Corporate QA Expectations**
- **Define QA Program Requirements/Criteria**
- **Define QA Program Implementation Requirements**



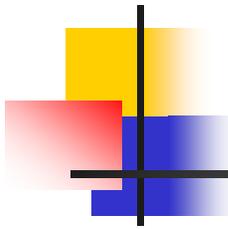


Impacts

- **EM Corporate QA Program**

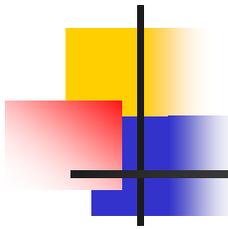
- Written to ensure minimal impact to existing NQA-1 based QA Programs
- Written to easily accommodate existing specialty QA Programs (e.g., RW QARD, WIPP)
- Non-NQA-1 Programs may require additional steps to achieve compliance
- Contract changes will be necessary to incorporate EM Corporate QAP implementation





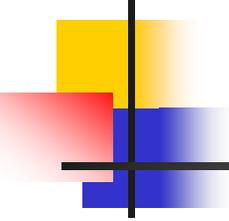
QA Program (QAP) vs. QA Implementation Plan (QIP)

- Use EM Corporate QAP requirements throughout EM Complex
- Gap Analysis performed by EM Field Federal & Contractor staff between the EM Corporate QAP and their current QA Programs
- All EM Participants establish individual QIPs describing implementation of the EM Corporate QAP
- Implement EM Corporate QAP using QIPs



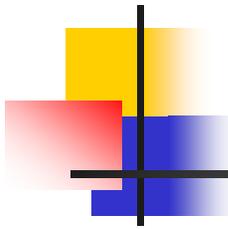
QA Topic 2

QARD Revision 20 Implementation



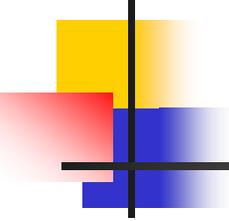
QARD REV.20 Direction

EM-60 March 20, 2008 Memo
(Dae Chung to FPDs at HLW and
SNF Sites)



QA Topic 3

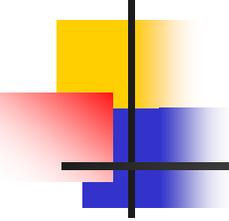
FYs 2008 & 2009 EM/RW Audit Status and Schedule



FY08 Audit Status & Schedule

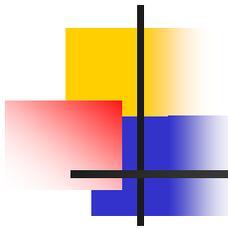
■ **Status of FY 2008 Audits**

- SRNL HLW – Deferred to FY2009
- SRS LWO DWPF HLW – Completed 5/2008
(Results: Effective – 4 CRs, 1 Rec, 1 NP)
- NSNFP – Completed 4/2008
(Results: Effective – 3 Recs, 1 NP)
- ID ICP SNF – Completed 7/2008
(Results: Effective – 1 CR, 4 Recs)
- ORP & Contractor HLW – Surveillances Scheduled 9/8-11/2008 (Originally scheduled as an audit in 7/2008)
- RL SNF – Scheduled 9/22-25/2008



FY09 Audit Status & Schedule

- **Projected FY 2009 Audit Schedule**
 - ORP & Contractor HLW (1/2009)
 - SRS Pu HLW & SNF (Status Visits Scheduled 2/2009)
 - NSNFP (3/2009)
 - SRS LWO DWPF HLW (5/2009)
 - ID ICP SNF (7/2009)
 - RL SNF (9/2009)



QA Topic 4

10 CFR Part 21 Implementation