

DOE Order 435.1 Update Status

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Las Vegas, NV
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EM *Environmental Management*

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OBJECTIVES

DOE is responsible for managing radioactive waste and providing radiological protection from DOE operations pursuant to its Atomic Energy Act (AEA) authority

- Provide overview of current status of DOE O 435.1 Update Project
- Define next steps

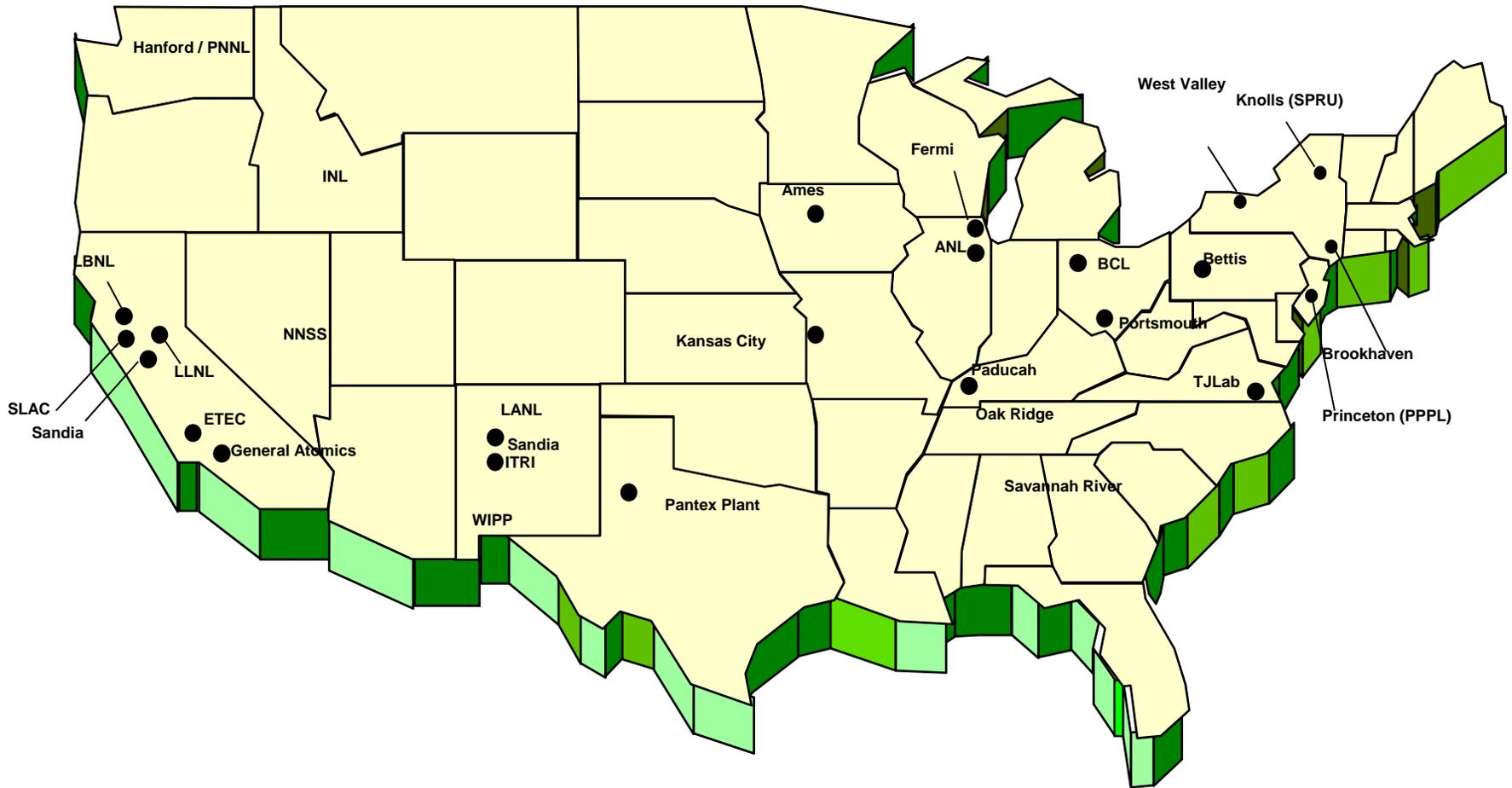


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CONTINUING THE ISMS FEEDBACK LOOP

DNFSB 94-2

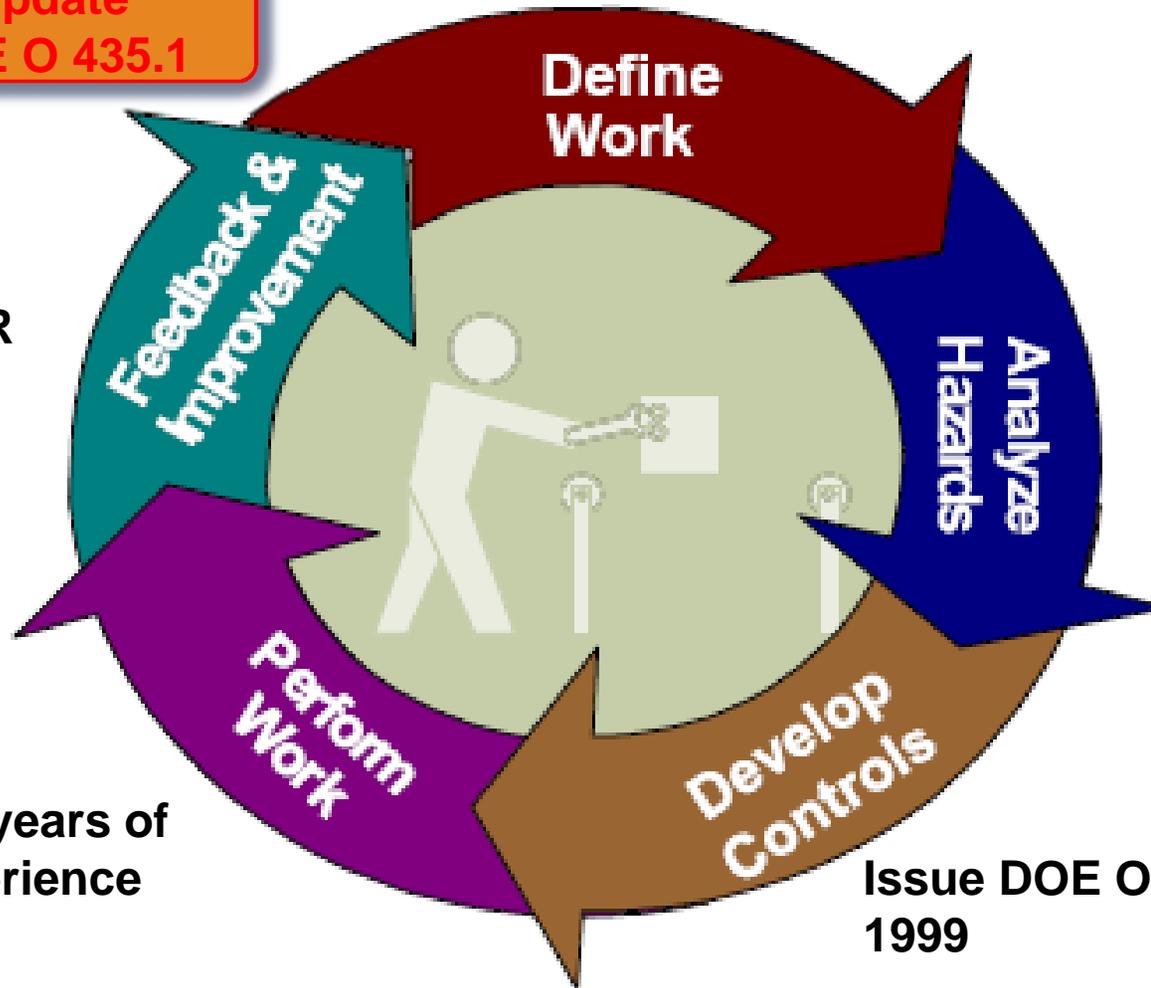
Update
DOE O 435.1

2010 CWR

1996 CWR

>10 years of
experience

Issue DOE O435.1
1999



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DOE ORDER 251.1C

- Provides format and content requirements for all new and revised Orders – improves consistency
- Specific outline defined
- Updated DOE Order reorganization will be:
 - Section 4 – Requirements
 - a. General Requirements
 - b. High-level Waste
 - c. Transuranic Waste
 - d. Low-level Waste
 - Section 5 – Responsibilities
- Attachment 1 Contractor Requirements Document



GENERAL REQUIREMENTS

- Consolidates duplicate requirements from waste type chapters in current Order
- Clarify Site-wide and Complex-wide Planning
- Strengthen Radioactive Waste Management Basis
- Pre-generation planning
- Generation
- Waste Consolidation
- Disposal



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GENERAL REQUIREMENTS

- Unreviewed Waste Management Question Evaluation
- Off-site disposal exemption eliminated
 - Requirement for cost-benefit analysis guidance provided
- Responsibility for State notification of offsite shipments, audits of off-site facility
- Protecting assumptions from PA/CA
- Monitoring plans
- Acceptance of non-DOE Waste



HIGH LEVEL WASTE CHANGES

- The definition of HLW is made consistent with the Nuclear Waste Policy Act of 1982
- Includes National Defense Authorization Act for 2005, Section 3116 process
- Various updates to the Waste Incidental to Reprocessing evaluation and citation process
- Assigns responsibility for those documents formerly under the Civilian Radioactive Waste Office
- No disposal pathway identified for HLW waste



TRANSURANIC WASTE CHANGES

- No significant changes to requirements except for new packaging instructions:
 - Remote- and Contact-Handled TRU Waste Packaging Instructions currently a DOE Notice (Approved August 2011) will be converted into a required Technical Standard
- Updated Management of Specific Wastes requirement to address classified TRU waste



LOW LEVEL WASTE CHANGES

- *Technical Standard for Disposal Authorization Statement Documents* - merged current guidance and “rogue” guidance
- Environmental Restoration In-Situ Closure
 - CERCLA-only Wastes
 - Inclusion of non-CERCLA Wastes



DAS TECHNICAL STANDARD

- Approval of the DAS is based on the review and approval of the following:
 - Performance Assessment
 - Composite Analysis
 - Closure Plan
 - Maintenance Plan
 - Monitoring Plan
 - UWMQE (UDQE/UCAE)
 - PA/CA Software Quality Assurance
 - Waste Acceptance
- Other requirements in the Technical Standard
 - Annual Summary



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NEXT STEPS

Spring 2012

- Continue discussions with internal reviewers and implementers
- Release updated Order for public review

Summer 2012

- Formal DOE review through RevComm

Winter 2012

- Release final revised Order for use across the complex, implementation expected to take one year
- Begin outreach and training to DOE and contractor staff



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