



*U.S. Department of Energy  
Office of Environment, Safety and Health*

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# **DNFSB Recommendation 2004-1 Impact on the DOE Corporate Operating Experience Program**

**Presentation to the SELLS Fall Workshop  
Buffalo, NY**

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# *DNFSB Recommendation 2004-1*

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- Defense Nuclear Facilities Safety Board (DNFSB)  
Conducts External Oversight of DOE Defense Nuclear Operations
- DNFSB Issued Recommendation 2004-1 “Oversight of Complex, High-Hazard Nuclear Operations” on May 21, 2004 that Will Help to Strengthen the DOE Operating Experience Program



# ***DNFSB Recommendation 2004-1***

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**The DNFSB Recommended that DOE Ensure:**

**“ Corrective Action Plans Consistent with Recommendations resulting from Internal DOE and NNSA Reviews of **Columbia Accident** and the **Davis-Besse Incident** are Issued”**



# *Departmental Response to DNFSB Recommendation 2004-1*

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DOE's Implementation Plan will include **Two** Commitments related to the Operating Experience Program

- **Develop a Department-Wide Action Plan to Implement Applicable Lessons from the Columbia and Davis-Besse Events**, including a Department-wide formal review of the Columbia and Davis-Besse
- **Establish an Enhanced Comprehensive Operating Experience Program** that includes Key Elements from the INPO Significant Event Evaluation and Information Network (SEE-IN) Program



## *Steps to Meet Department Commitments for DNFSB Recommendation 2004-1*

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### **Commitment 1**

- 1. ESE Will Form a Team to Review the Columbia Accident And Davis-Besse Event Analyses and Recommend Actions**
- 2. NNSA Will Identify Any Unique Insights from Davis-Besse Incident NOT already covered by their Columbia Accident Investigation Board that have Potential DOE-Wide Actions**
- 3. EH will then Lead a DOE-wide Team to Review the ESE and NNSA Results and Define the Final Actions for Secretarial Approval**
- 4. Implementation of DOE-Wide Actions will be Tracked**



## *Steps to Meet Department Commitments for DNFSB Recommendation 2004-1*

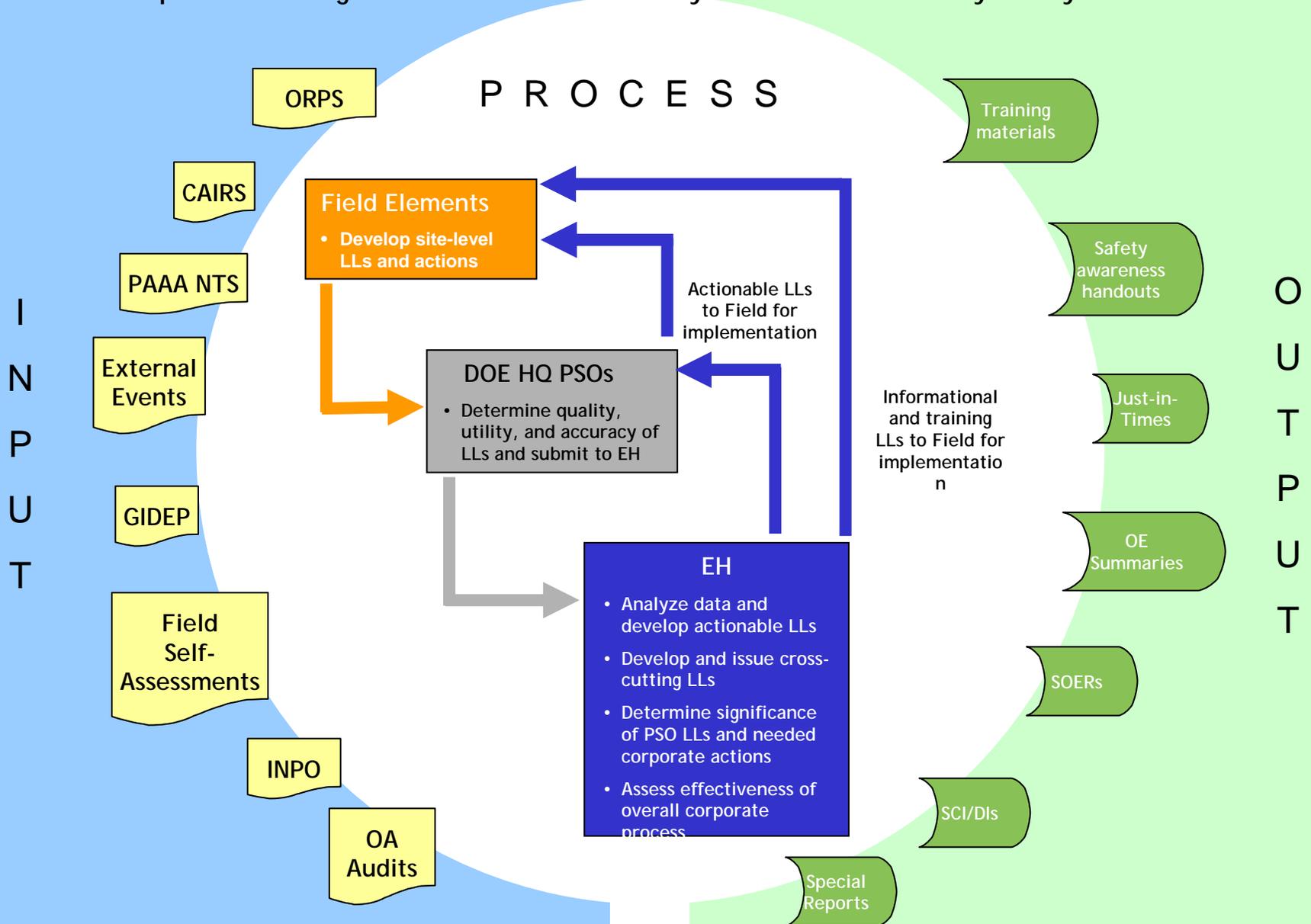
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### **Commitment 2**

- 1. Implement the Enhanced Operating Experience Program Process Flow between Field – Program Offices – EH for Developing Corporate Lessons Learned**
- 2. EH will Determine what Operating Experience Needs Attention, the Level of Importance, and Actions.**
- 3. Program Offices will Verify Contractor Implementation.**
- 4. EH will Provide Feedback to Program Offices on Program Level Implementation, and**
- 5. EH will Perform annual Self-Assessment reviews on the Effectiveness of the Program.**

# Enhanced Operating Experience Program

Corporate sharing of lessons learned is a key element of a healthy safety culture





## *Steps Already Accomplished to Meet Department Commitment*

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### **As a Result of the Lessons Learned Re-Engineering Effort:**

- **Corporate Performance Review Structure Established**
  - All Performance Review Products being issued
  - Performance Reviews being held by the Under Secretary for Energy, Science and Environment Sites – NNSA is considering implementing the same
  
- **New Corporate Lessons Learned Structure Established**
  - Issuing New / Revised Operating Experience Reports
    - ✓ Operating Experience Summaries
    - ✓ Suspect/Counterfeit and Defective Items Web Page
    - ✓ Just-In-Time Reports
    - ✓ Special Reports
    - ✓ Safety and Health Hazard Alerts
    - ✓ Significant Operating Experience Reports (SOERs)



## *Corporate Operating Experience Program: Additional Remaining Actions*

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- **DOE EH Lessons Learned Homepage** (Remains a Work in Progress) URL: <http://www.eh.doe.gov/ll/>
- **Developing a new DOE Order to Institutionalize the Comprehensive DOE Corporate Operating Experience Program** and ensure Contractor Accountability
- **Utilize work on Draft DOE-STD-7501-XX to Prepare New Lessons Learned Manual** for the new DOE Order
- **Improve Methods of Dissemination**
  - Considering New Approaches to Get Lessons Learned into the Hands of those who Need them.
  - PUSH System (NNSA Software has been provided to EH for Evaluation)



## *Corporate Operating Experience Program: Structure*

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- **BACK UP SLIDES**



## *Corporate Operating Experience Program: Performance Review Structure*

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- **Daily Event Summary** – summarizes all Daily occurrences
- **Under Secretary Weekly Report** – summarizes significant Occurrences and Trends
- **Quarterly Site Performance Reviews**
  - Under Secretary meets with Senior Line Management to Discuss Site Performance Issues
- **Annual/Semi-Annual Reports**
  - Report Cards on ES&H Performance, Suspect Counterfeit Items



## *Corporate Operating Experience Program: Lessons Learned Structure (Continued)*

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- **Continue DOE/SELLS List Server** - DOE Field Generated Lessons Learned
  - **Red, Yellow, Blue, and Green**
- **DOE Corporate Process** – Analyze Numerous Sources of Information for Lessons Learned, including:
  - **ORPS**
  - **CAIRS**
  - **GIDEP**
  - **Current NNSA/SELLS LL's**
  - **INPO**
  - **NRC**
  - **Other Federal Agencies, e.g., DOL, DOD, NASA**
  - **Type A & B Accident Reports**
  - **Professional Organizations, etc.**



## *Corporate Operating Experience Program: Lessons Learned Structure (Continued)*

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### **New / Revised Corporate INFORMATIONAL Products**

- **Operating Experience Summary Report (Bi-Weekly)**
- **Just-In-Time Operating Experience (J-I-T) (As required)**
- **Suspect/Counterfeit/Defective Items Data Collection Sheets (DCSs) (Weekly)**

### **OE Summaries, J-I-T's, and DCSs:**

- Include Information to Improve Awareness
- Can Include:
  - Notification of Events at Other Sites
  - Suspect/Counterfeit or Defective Items Identification (QA Program)
- No Specific Action is Required beyond Internal Dissemination
- Issued by EH
- Issued Often



## *Corporate Operating Experience Program: Lessons Learned Structure (Continued)*

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### **New / Revised Corporate MEDIUM Significance Products**

- **Special Reports (SRs)** (e.g., DOE Hoisting and Rigging Events, January 2004 and DOE Electrical Safety, April 2004)
- **Safety and Health Hazard Alerts** (potentially safety significant issues, such as suspect/counterfeit or defective items)

### **SR's and S&H Hazard Alerts:**

- Issued in Response to significant safety concerns identified by Trending Analysis
- **ACTIONS RECOMMENDED**, but not required:
  - **Contractor Management**
  - **Field Office Verification**
- Issued by the Assistant Secretary for Environment, Safety and Health
- Issued Rarely, As Required



## *Corporate Operating Experience Program: Lessons Learned Structure (Continued)*

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### **New Corporate Significance MONITORED ACTION Reports**

- **Significant Operating Experience Reports (SOERs)**

#### **SOER's:**

- Issued in Response to significant safety concerns
- **REQUIRES ACTION (“Accountability”):**
  - Contractor Management
  - Headquarters Line Program Verification
- **Actions Tracked** in DOE Corrective Actions Tracking (CATS) System
- Issued by the Applicable Under Secretary of Energy
- Issued Rarely (~ 1 – 2 per year)