

Results of the DOE OA-30 Inspection at the DOE Oak Ridge Office and the Oak Ridge National Laboratory

Presented to EMI-SIG

Hazards Assessment Subcommittee

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ORNL OA-30 Inspection September – October 2005

- **Eight Assessors + Admin**
- **Program Elements Evaluated**
 - **Emergency Planning**
 - **Hazards Survey and Hazards Assessments**
 - **Program Plans and Procedures**
 - **Emergency Preparedness**
 - **Training**
 - **Drill and Exercise Program**
 - **Emergency Public Information**
 - **Emergency Response**
 - **ORNL Emergency Response**
 - **Readiness Assurance**
 - **DOE Line Program Management**
 - **ORNL Feedback and Improvement**
- **Four Limited Scope Performance Tests (LSPTs)**
 - **Two day shift – full Emergency Response Organization**
 - **Two backshift – Laboratory Shift Superintendents and Incident Command Staff**

OA-30 Findings

UT-Battelle and BJC have not ensured that all hazardous materials identified as requiring further analysis in the hazards surveys are assessed in the EPHAs

UT-Battelle has not implemented a categorization and classification procedure and emergency action levels that provide decision makers with comprehensive, unambiguous, objective thresholds upon which to base emergency classification

UT-Battelle has not developed protective actions based on Emergency Planning Hazards Assessment consequences for onsite personnel and the public

The UT-Battelle training program for ORNL EOC responders and laboratory shift superintendents does not ensure that these individuals are adequately prepared to perform their assigned emergency response functions

ORO has not demonstrated an effective initial news release process that provides adequate assurance that timely emergency public information will be disseminated during an emergency

ORO has not developed or documented a public education program that ensures essential emergency information is provided to the public, before and during emergencies

During limited scope performance tests, LSSs as laboratory emergency directors did not manage the emergency response to promote an effective time urgent response

ORO has not ensured that the ORNL site emergency management program has been assessed at least once every three years or utilized its issues tracking processes to identify and track important issues to closure,

SC has not periodically reviewed the ability of the ORO and ORNL site emergency management program to meet the requirements of the DOE emergency management system

UT-Battelle has not consistently identified and addressed program deficiencies and implemented timely corrective actions

BJC has not ensured that appropriately tailored self assessments of the emergency management program at its ORNL projects have been completed annually

Results of DOE OA-30 Inspection

	HS/HA	Plans/Procedures	Training/Drills	Exercises	Emer. Response	Readiness – DOE	Readiness - Cont
ORNL October 2005	EFFECTIVE PERFORMANCE	SIGNIFICANT WEAKNESS	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT
NNSA Site August 2005	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	EFFECT PERF/ NEEDS IMP	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE
NNSA Lab June 2005	NEEDS IMPROVEMENT		NEEDS IMPROVEMENT	NEEDS IMPROVEMENT		EFFECTIVE PERFORMANCE	NEEDS IMPROVEMENT
NNSA Lab May 2005	NEEDS IMPROVEMENT	SIGNIFICANT WEAKNESS	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	
SC Lab Nov 2004	SIGNIFICANT WEAKNESS	NEEDS IMPROVEMENT			NEEDS IMP/ SIG. WEAKNESS	SIGNIFICANT WEAKNESS	
SC Lab April 2005	SINIFICANT WEAKNESS				NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	
EM Site February 2004	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE
NNSA Site February 2004	NEEDS IMPROVEMENT	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	NEEDS IMP/ EFF. PERF.	EFFECTIVE PERFORMANCE	
EM Site Sept 2003	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	EFFECTIVE PERFORMANCE	NEEDS IMPROVEMENT	EFFECTIVE PERFORMANCE
ORNL October 1999	MARGINAL	UNSAT	MARGINAL	MARGINAL			MARGINAL

OA-30 Corrective Action Plan Schedule

- **Final OA Inspection Report Transmitted to ORNL – December 15, 2005**
- **Initial Corrective Action Plan to DOE – January 21, 2006**
- **Final Corrective Action Plan to DOE – March 3, 2006**
 - **80 Corrective Actions**
 - **56 UT-Battelle**
 - **6 Bechtel-Jacobs Co.**
 - **18 DOE (including 1 for Office of Science)**
- **Final CAP approved by OA – March 24, 2006**
 - **Entered in DOE EH-CATS**
- **Last Corrective Action completes June 2008**

NOW COMES THE HARD PART