

**HSS Independent Activity Report - Rev. 0****Report Number:** HIAR-LANL-2011-08-04**Site:** Los Alamos National Laboratory**Subject:** Office of Enforcement and Oversight's Office of Safety and Emergency Management Evaluations Activity Report of the Assessment of the Emergency Management Program Training and Drills Functional Area**Dates of Activity :** 08/01/2011 - 08/04/2011**Report Preparer:** David Odland/Randy Griffin**Activity Description/Purpose:**

Since the 2007 Office of Health, Safety and Security (HSS) inspection of the Los Alamos National Laboratory (LANL) emergency management program, HSS personnel have conducted periodic visits to follow-up on the corrective actions taken to address the findings in the review. This 2011 assessment was conducted to continue the corrective action follow-up activities and to support the Los Alamos Site Office (LASO) Emergency Management Program Manager in accomplishing the required triennial functional area assessment.

This assessment included review of:

- Any evaluation criteria in the baseline review conducted by LASO in 2008 (which incorporated the results of the HSS inspection) that were not met;
- The current state of LANL issues identified through their self-assessment program; and
- The resolution of any associated concerns from the fiscal year (FY) 2008 LASO exercise evaluation.

**Result:**

Data was collected for a sample of evaluation criteria from the Assessment Guide for Contractor Emergency Management Programs, which mirrors the criteria in U.S. Department of Energy (DOE) Guide 151.1-3, *Programmatic Elements*. These evaluation criteria include, for example, establishing a structured program of training, implementing both initial and annual refresher training, conducting "hands on" training through drills, and performing shelter-in-place drills. Further details and completed assessment forms are included in ASM-SO-10.27.2011-296531, *Fiscal Year 2011, Fourth Quarter, Los Alamos Site Office Assessment of the Los Alamos National Laboratory Emergency Management Program, Training and Drills, Revision 0*.

LANL's actions to address previous HSS and LASO findings and the associated corrective actions pertaining to training and drills for emergency response organization (ERO) members have resulted in significant improvements in the ERO training program (particularly for core emergency operations center staff members). LANL completed all of the corrective actions identified in the corrective action plan for the 2007 HSS inspection. Subsequently, LANL's internal effectiveness review identified that those corrective actions were only partially effective in addressing the underlying issues. The remaining weaknesses identified by the effectiveness review have been combined with other weaknesses identified in previous internal and external assessments; corrective actions have been developed and incorporated into an issues and corrective action management (ICAM) plan for this functional area. The ICAM plan provides a solid approach to achieving continued improvement in the training and drills program. However, management support and attention will be necessary to ensure that the program receives the resources and attention needed to complete the scheduled actions in a timely manner.

LANL has successfully closed a number of the previously identified issues, including some of those identified by the 2007 HSS inspection, and has critically self-assessed its performance in this functional area. Most of the issues identified during the 2008 LASO assessment and the annual LANL self-assessments have either been appropriately corrected and closed or are included in the ICAM plan actions. Nevertheless, some important weaknesses remain in the training and drills program. For example, LANL has not:

- Developed and implemented a training program that encompasses all ERO positions, particularly those at the field and facility levels.
- Implemented a drill program to support initial and continuing training for its ERO participants.
- Set up a method for evaluating performance during functional exercises (drills) that are conducted as part of the site's exercise program.
- Instituted a formal process for conducting continuing and/or refresher training for ERO members.
- Established a comprehensive, structured program to ensure that shelter-in-place drills are completed as required.

With the exception of not establishing a shelter-in-place program, the weaknesses noted above are captured in the overall planned actions in the training and drill ICAM plan. The development of a structured shelter-in-place program is being addressed separately in the LANL corrective action tracking system.

<b>HSS Participants</b>	<b>References</b>
1(lead). David Odland	1. Inspection of Emergency Management at the Los Alamos Site Office and Los Alamos National Laboratory, dated February 2007
	2. FY 2008 LASO full scale exercise evaluation report
	3. FY 2008-2010 LANL self-assessments
	4. Assessment Guide for Contractor Emergency Management Programs published by the National Nuclear Security Administration
	5. DOE Order 151.1C
	6. LANL institutional and Emergency Operations Division documents

Were there any items for HSS follow up? Yes No

**HSS Follow Up Items**

1. HSS will continue to follow the implementation of the corrective actions in the Emergency Response Organization Causal Analysis and Corrective Actions Plan for ERO Training: ICAM 2010-4085, particularly those associated with the weaknesses identified above.
2. HSS will also follow up to verify that corrective actions for the shelter-in-place drill program are developed and implemented.