

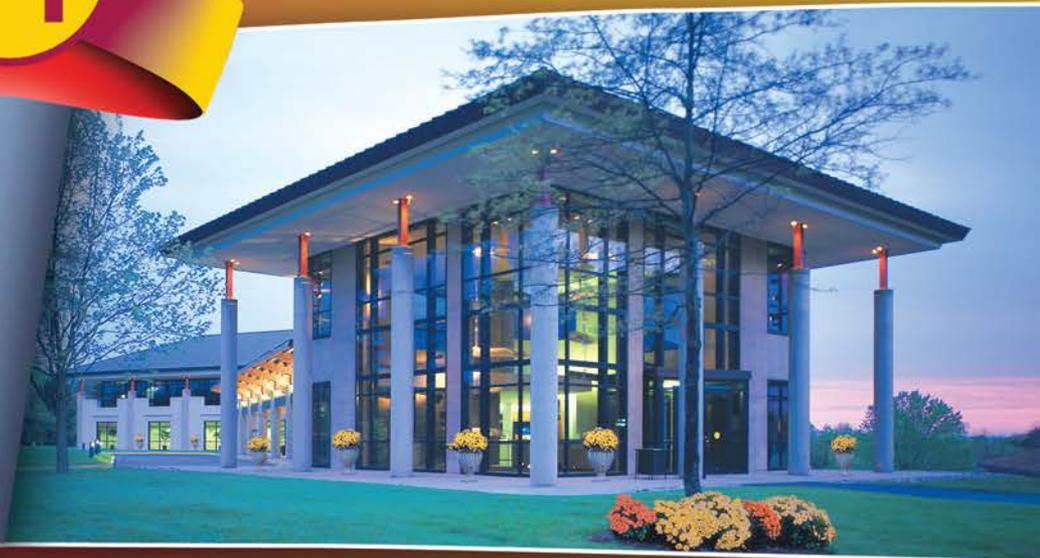
ADVANCING

**EMERGENCY
MANAGEMENT**

30 YEARS | 1986-2016



*The National Conference Center
Leesburg, Virginia*



Corrective Action and Deficiency Reporting, Tracking and Trending

*By Lori Thomas
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30th Annual Meeting • May 2-6, 2016



Audience

- Reports findings every six months to:
 - the Deputy secretary of energy
 - Defense board
- Reports findings and trends annually to the EMI-SIG

Reporting

- NA-40 secure SharePoint site hosted in Albuquerque
- Frequency for defense sites – quarterly each year (CY 2016)
 - 1st qtr Jan-March – completed
 - 2nd qtr April-June – due by June 30th
 - 3rd qtr July –Sept – due by Sept 30th
 - 4th qtr Oct – Dec – due by Dec 30th
 - Keep actions updated as dates approach change percentage of completion or enter closure dates
 - Pending entries no longer allowed
 - **New*** - linking causal analysis reports to deficiency corrective actions

Tracking

- Na-40 will review the open emergency management deficiency SharePoint site monthly to make certain corrective actions are updated to reflect the percentage of completion and predicted closure dates that have passed to reflect the deficiency closure or a new date entered
- Allows field element and program office access and visibility in one location

Trending

- The open emergency management deficiencies reported by defense sites have been grouped into the three underlying root causes identified by the board for non-compliant emergency management issues.
- The root causes are:
 - “Ineffective implementation of existing requirements.”
 - “Inadequate revision of requirements to address lessons learned and needed improvements to site programs.”
 - “Weaknesses in DOE verification and validation of readiness of its sites with defense nuclear facilities.”

Results of Deficiency Reporting from Defense Sites

As of March 18, 2016



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	Hanford	LLNL	INL	Pantex	SRS	Y-12	NNSS	WIPP	LANL	SNL
Ref 2014-1 IP Executive Summary										
No Deficiencies to Report		X	X							
Did not respond										
Ineffective implementation of existing Defense Nuclear Emergency Management Enterprise requirements due to lack of specificity of expectations	1			20	3		2	10	1	9
Weaknesses in the DOE verification and validation of readiness due to inconsistent conduct of oversight and enforcement of emergency management preparedness and response requirements				1	3	5		2		4
Inadequate processes to address lessons learned and needed improvements to site programs				1			2	1		
Total Open Emergency Management Deficiencies reported by defense sites	1	0	0	22	6	5	4	13	1	13
Total Deficiencies for Reported for all DNFSB sites		65								



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Analysis of the Open Emergency Management Data Submitted to NA-40



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ATTACHMENT

SUMMARY OF REPORTED EMERGENCY MANAGEMENT DEFICIENCIES: On March 18, 2016, the results of the open emergency management deficiencies were compiled and are summarized into the three areas of concern outlined in the Implementation Plan.

Based on all of the DOE Defense Nuclear Facilities that reported to the SharePoint site 71% were attributed to the *Ineffective implementation of existing Defense Nuclear Emergency Management Enterprise requirements due to lack of specificity of expectations*, 23% were attributed to *Weaknesses in the DOE verification and validation of readiness due to inconsistent conduct of oversight and enforcement of emergency management preparedness and response requirements*, and the remaining 6% were attributed to *Inadequate processes to address lessons learned and needed improvements to site programs*.

Three Defense Nuclear sites (Sandia, Savannah River Site, and the Waste Isolation Pilot Plant) reported open emergency management deficiencies to the SharePoint site that have numerous corrective actions linked to one deficiency. In those instances where several corrective actions are linked to one deficiency, it appears that the deficiency is repeated in the SharePoint data increasing the number of reported deficiencies.



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Recommendations to Improve Emergency Management Programs at Defense Sites

- *New requirement to report on the number of doe senior management personnel that participate in exercises due to NA-40 SharePoint site by August 1, 2015
- Link causal analysis report to each open emergency management deficiency
- Assessments, assessments and more assessments –
 - various levels (CDNs, EA, Program, field, contractor)
 - looking at various program elements
 - be critical (if it didn't happen don't give 5 and say it did)
- Exercises, exercises and more exercises –
 - more challenging scenarios (severe events, cascading events, cyber, alternate EOCs, exercise to recovery, joint landlord/tenant, biological, etc.)
 - no more exercises with gas cylinder ruptures, waste drums ruptures or haz mat/Rad spills with injured personnel
 - don't teach the response to the ERO staff with tabletops – push the envelope

Questions, Concerns and Contact

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