



DOE/NNSA OVERSIGHT OF EMERGENCY MANAGEMENT



Introduction

Line management is required to establish a formal process to collect information to improve performance through:

- **Assessments**
- **Performance test (drills, exercises and table tops)**
- **Other feedback mechanisms**



DOE Order 151.1B Requirements

- **Program and Exercise Evaluations have to be linked**
- **Exercise - All Aspects over 5-year Period**
 - **Emergency Management Program - Annual Requirement**
- **Program self-assessment is the entire program each year**



Why Do Assessments?

- **To provide information to Management on the status/readiness of the people and program to respond to an emergencies**



Integrated Safety Management System Core Functions

Define Scope of Work

- Identify Facilities
- Identify Hazards
- Allocate Resources
- Assign Responsibilities
- Set Expectations

Emergency Management

Feedback/Improvement

- Event Critiques
- Drill/Exercise Evaluations
- **Self-assessment**
- **DOE Oversight**

**Worker
and Public
Protection**

Analyze Hazards

- Analyze Hazards
- Perform Consequence Analyses
- Conduct Dispersion Estimates

Perform Work

- Activate Resources
- Rescue Victims
- Mitigate Release
- Protect Workers
- Notify Offsite Authorities
- Recovery

Develop/Implement Controls

- Facilities & Equipment
- Emergency Action Levels
- Predetermined Protective Actions
- Notification and Warning Systems
- Training

ISSUES

EMERGENCY



DOE Emergency Management Program Elements

- **Hazards Survey/Hazards Assessment**
- **Program Administration**
- **Training and Drills**
- **Exercises**
- **Readiness Assurance**
- **Emergency Response Organization**
- **Offsite Response Interfaces**
- **Emergency Facilities and Equipment**
- **Emergency Categorization and Classification**
- **Notification and Communications**
- **Consequence Assessment**
- **Protective Actions and Reentry**
- **Emergency Medical Support**
- **Emergency Public Information**
- **Termination and Recovery**



Methods of Data Collection

- **Document review**: *Expected/planned* performance only
- **Operation/utilization of response tools**: Demonstrates that tools are in place, but not how they are used
- **Interviews**: Less stressful environment than either simulated or actual response
- **Observations of training, drills, and exercises**: Lack of realism; less stressful environment
- **Examination actual response**: Only one particular event; after the fact look (actual response)



Performing Assessments

- **Develop some key triggers/flags/ etc: Examples:**
 - **Process assessment**
 - **New process but same hazards**
 - **Vertical slice**
 - **New process with new Hazards**
- **Before starting any assessment first decide on what type of assessment to be performed.**
 - **Process type assessment or**
 - **A vertical slice**
- **Develop the lines of inquiry using the DOE Order 151.1 and Guides:**
 - **Don't try to perform an assessment with out developing line of inquires.**



Performing Assessments

- **A good starting point to get the most out of the assessment are readiness review or a new operation that is going to be starting.**
 - **Does the procedure describe what to do in an emergency**
 - **Have the Hazards been identified in the new process and passed on to the emergency management personnel. Did they review them and determine if the new process require new procedures, EAL, and training.**
 - **Does the process require any special response requirements and have they been trained**
 - **Have their been any drills performed.**
- **Use other people in the Office to help, don't try and do it all. Example reviewing training records or looking at the Hazards Annalists.**
- **Do not ASSUME since it passed the readiness review Emergency Management was considered.**



Performing Assessments

- **Exercise is another area to perform an assessment. During an exercise actually witness the procedures being used and how the responder perform. The key is to have people trained and knowledgeable in the area that they are to review. Plus have good evaluation criteria.**
- **Other areas that will provide a status of the emergency preparedness**
 - shadowing the contractor self assessment
 - reviewing the process used to close outstanding corrective actions.
- **Just because the contractor states everything is Good do your own independent review and do not rubber stamp it.**
- **Assessment should include the Federal side as well.**



DOCUMENT

DOCUMENT

DOCUMENT

Every Assessment

Good + Bad

Small or Large

