

# Evaluating Transportation Exercises

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# DOE Trans EX Requirements

- DOE M 460.2-1 - Office of Transportation Safeguards must conduct exercises regularly, along with annual in-service tests for DOE response elements
- DOE O 460.2A - Evaluate transportation and packaging operations at each facility every 3 years
  - SRS auditors check for conduct of transportation exercise or evaluation of actual response



# TEPP Model

- ▶ TEPP exercise model is based on both DOE and DHS standards/guidance
  - ▶ Some elements are from 151.1C orders and guides
  - ▶ Communities are required to evaluate drills using DHS evaluation criteria





# DHS Exercise Guidance

- ▶ TEPP expressed concerns in Aug. '05 regarding DHS guides :
  - ▶ Model did not mention narrative, timeline, MSEL, messages, or supporting data
  - ▶ Safety, schedules, lists of participants, and logistics were discussed redundantly
  - ▶ Exercise criteria were included, but were not user friendly
- ▶ DHS added Volume V to its guidance, and revised Volumes I-IV in Feb. '07
  - ▶ Evaluation criteria easier to use



# TEPP Exercise Objectives

- ▶ TEPP combines best of both DOE and DHS guidance
  - ▶ Objective 1: Initial Notifications
  - ▶ Objective 2: Direction and Control
  - ▶ Objective 3: Incident Assessment
  - ▶ Objective 4: Resource Management
  - ▶ Objective 5: Communications
  - ▶ Objective 6: Facilities, Equipment, & Displays



# TEPP Exercise Objectives

- ▶ Objective 7: Public Alert/Notifications
- ▶ Objective 8: Emergency Information/Media
- ▶ Objective 9: Protective Actions
- ▶ Objective 10: Response Personnel Safety
- ▶ Objective 11: Traffic & Access Control





# TEPP Exercise Objectives

- ▶ Objective 12: Registration, Screening & Decontamination of the Public
- ▶ Objective 13: Congregate Care
- ▶ Objective 14: Emergency Medical Services
- ▶ Objective 15: Containment and Cleanup
- ▶ Objective 16: Documentation/Investigation



# Standardizing Evaluation

## ▶ Recommendations

- ▶ Incorporate standard objectives, criteria and LOIs in Exercise Builder for evaluation of transportation exercises at DOE sites
- ▶ Consider standard objectives for **all** exercises
  - ▶ Objectives should be based on requirements
  - ▶ DHS criteria should be considered
  - ▶ DHS (including FEMA) and DOE should cooperate to improve standards and guidance for exercise conduct/evaluation
  - ▶ Criteria and LOIs may vary between sites





## Advantage of Standardization






### ► Complex-wide Trending

|           |       |       |       |       |      |       |     |      |    |     |    |      |       |       |       |       |
|-----------|-------|-------|-------|-------|------|-------|-----|------|----|-----|----|------|-------|-------|-------|-------|
| N-Area #3 | 100   | 97    | 91    |       | 94   | 92.5  |     |      |    |     |    | 87.5 | 100   | 98    | 90    |       |
| Site #4   | 94    | 79    | 90    | 79    | 91   | 78    |     | 88   | 92 | 94  | 64 |      | 91    | 94    | 75    | 75    |
| SRNL #7   | 99.14 | 95.67 | 94    | 90.17 | 100  | 93.14 | 92  | 81.5 |    | 100 |    | 96   | 87.33 | 95.86 | 94.5  | 91.43 |
| TEF #2    | 100   | 100   | 89    | 100   | 100  | 100   |     | 100  |    | 100 |    | 100  | 100   | 100   | 100   | 95    |
| Trit #28  | 98.96 | 97.04 | 93.54 | 95.21 | 97.5 | 96.74 | 100 | 99   |    | 100 |    | 99.5 | 96.39 | 99.9  | 94.54 | 94.12 |

**Objectives:**

|  |
|--|
| 1:SAFETY                               |
| 2:PROTECTIVE ACTIONS                   |
| 3:MITIGATION                           |
| 4:RADIOLOGICAL AND CHEMICAL MONITORING |
| 5:EMERGENCY EVENT CLASSIFICATION       |
| 6:STAFF & ACTIVATE                     |
| 7:MEDICAL                              |
| 8:NOTIFICATION                         |
| 9:OFFSITE INTERACTIONS                 |
| 10:CONSEQUENCE ASSESSMENT              |
| 11:PUBLIC INFORMATION                  |
| 12:RECOVERY                            |
| 13:FACILITIES AND EQUIPMENT            |
| 14:EXERCISE CONDUCT                    |

**Color Codes:**

|                  |   |
|------------------|---|
| 90-100           |    |
| 80-89            |   |
| 70-79            |  |
| <70              |  |
| Drill Not Scored |  |



# Questions?

