

REPORT OUTLINE

Directive Number and Title: DOE O 452.2B, Safety of Nuclear Explosive Operations

Originating Office: NA-121

Review Team Members: Robert Newton (GC-53), Charles Robinson (EH-6, Departmental Representative to the DNFSB), Chuck Westfall (NA-121)

Background

- Why, when, and how was the order and its contractor requirements document established? DOE 452.2 is the only Departmental Directives to address safety for nuclear explosive/weapon operations and do not duplicate any other DOE Order requirements, but is tailored to other nuclear safety concerns for nuclear explosive operations/weapons. DOE O 452.2 was also published to meet Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 93-1. This Order applies to all Departmental Elements and to the national laboratories and contractors performing work for the Department on nuclear explosives and weapons as provided by law (10CFR830, Nuclear Safety Management) and/or contract, and as implemented by the appropriate contracting officer. DOE O 452.2B was published January 17, 1997 as a new series order in accordance with DOE Directives System Management guidance and replaced DOE O 5610.11 which did not have a contractor requirements document.
- What major modification and recent updates have been made? DOE O 452.2B revises the existing safety of nuclear explosive operations program direction contained in DOE O 452.2A by incorporating necessary editorial corrections, and other generally minor corrections identified during the biennial directives review, and incorporates new information to implement corrective actions related to Defense Nuclear Facilities Safety Board Recommendation 98-2, Safety Management at the Pantex Plant.

Overview of Requirements

- What is the order's purpose and how is it accomplished?

Purpose

- a. To establish requirements and responsibilities for ensuring the safety of both routine and planned DOE nuclear explosive operations and associated activities and facilities.
- b. To address the safety of nuclear explosive operations in two broad areas: (1) nuclear explosive safety and (2) environment, safety, and health (ES&H).
- c. To address requirements and responsibilities for planned nuclear explosive operations. Responses to unplanned events (e.g., Accident Response Group activities) are addressed in the 5530-series Orders and DOE O 151.1A, Comprehensive Emergency Management System, dated 11-1-00.

Accomplished NNSA Operations Office Managers are responsible to the Assistant Deputy Administrator for Military Application and Stockpile Operations (NNSA) to identify which contracts this order applies to and ensure those contracts are modified to incorporate both the order and attached CRD within 6 months after order publication.

- What is the CRD's purpose and how is it accomplished?

Purpose. The CRD sets forth requirements to be applied to all major facilities management contractors that manage, oversee, conduct, or support DOE NEWS program activities.

Accomplished. NNSA Operations Office Managers are responsible to the Assistant Deputy Administrator for Military Application and Stockpile Operations (NNSA) to identify which contracts this order applies to and ensure those contracts are modified to incorporate both the order and attached CRD within 6 months after order publication.

Analysis

- *Do we still need to apply the order to contractors?* Yes. The order was revised under the the Directives Management Review process and received FMC approval.
- *If so, are there attentive less bureaucratic approaches?* No.
- *Are there any other useful changes to the contractor requirements document?* No. The CRD just went through the Directives Management Review process and received FMC approval which required a review by contracts (MA-5) and two separate reviews by GC.

Summary Recommendations

No comments were received from the affected contractors and no changes are recommended.

Minority Views None

Originating Office Comments

- . No comment by NA-121.