



Department of Energy
Washington, DC 20585

April 23, 2008

MEMORANDUM FOR INGRID KOLB
DIRECTOR, OFFICE OF MANAGEMENT

THRU: KEVIN T. HAGERTY 
DIRECTOR, OFFICE OF INFORMATION RESOURCES

FROM: PAUL BOSCO 
DIRECTOR, OFFICE OF ENGINEERING AND
CONSTRUCTION MANAGEMENT

SUBJECT: Notice of Intent to Revise DOE Order 413.3A, *Program and Project Management for the Acquisition of Capital Assets*.

PURPOSE: This proposed revision makes the use of DOE-STD-1189-2008, *Integration of Safety into the Design Process*, mandatory for Hazard Category 1, 2 and 3 nuclear facilities.

JUSTIFICATION: In a memorandum to DOE elements, dated December 5, 2005, on integration of Safety-in-Design, the Deputy Secretary of Energy stated, "I expect safety to be fully integrated into design early in the project. Specifically, by the start of the preliminary design, I expect a hazard analysis of alternatives to be complete and the safety requirements for the design to be established. I expect both the project management and safety directives to lead projects on the right path so that safety issues are identified and addressed adequately early in the project design."

DOE Standard 1189 was developed to show how project management, engineering design and safety analyses can interact to successfully implement the Deputy Secretary's expectations. These interactions are a fundamental element necessary in the integration of safety throughout the DOE Acquisition Management System. They are key to the timely identification, evaluation and adjudication of Safety-in-Design issues early in project life.

The Standard provides the Department's expectations for incorporating safety into the design process for new or major modifications to DOE Hazard Category 1, 2 and 3 nuclear facilities,



the intended purpose of which involves the handling of hazardous materials, both radiological and chemical, in a way that provides adequate protection for the public, workers and the environment. The Standard incorporates the facility safety criteria of DOE O 420.1B, Facility Safety, as a key foundation for Safety-in-Design determinations.

The Office of Engineering and Construction Management and the Office of Health, Safety and Security are requesting a thirty-day processing time for this change.

The proposed directive does not duplicate existing laws, regulations or national standards and it does not create undue burden on the Department.

IMPACT: This revision makes explicit the mandatory nature of DOE-STD-1189-2008, which was implicit in DOE Order 413.3A. (See section 4 of DOE Order 413.3A.) Contracts which include Hazard Category 1, 2 or 3 nuclear facilities will require modification to incorporate the revised Contractor Requirement Document. Modifications to the series of DOE 413.3 Guides currently under development may be necessary prior to publication. No additional impacts on other directives, technical standards or procedures are anticipated.

CONTACT: John Makepeace, MA-50, 202-586-5326.

CTA CONCURENCE: _____ (DOE/Energy)
_____ (DOE/Science)
_____ (NNSA)

DECISION:

Concur: _____

Non-Concur: _____

Timeframe: ___ 30 days ___ 60 days ___ 90 days ___ 120 days

Date: _____