



Department of Energy

Washington, DC 20585

February 28, 2005

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DEFENSE NUCLEAR FACILITIES SAFETY BOARD

The Honorable John T. Conway
Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, NW Suite 700
Washington, D.C. 20004-2941

Dear Mr. Chairman:

Commitment 4.3.2.1 in the Department's Implementation Plan for Software Quality Assurance (SQA) in response to Board Recommendation 2002-1 requires the Department to establish a schedule to develop, revise, approve, and issue software quality assurance directives. In my letter to you on October 31, 2003, I provided a copy of that schedule.

Revised DOE O 414.1C, *Quality Assurance* was scheduled to be issued within the directives system by December 31, 2004. While the Department has made significant progress in revising this Order and also in developing new DOE G 414.1-4, *Safety Software Guide for use with 10 CFR 830 Subpart A, Quality Assurance Requirements*, and DOE O 414.1C, *Quality Assurance*, these directives will not be issued on the planned schedule. This is due primarily to the additional time needed to resolve comments and reach agreement with all Program Secretarial Offices. A decision on the open non-concurrence relating to NQA-1-2000 is expected soon and will allow us to issue the Quality Assurance Order revision and the new supporting SQA Guide by April 2005. Issuance of these two directives will complete plan Commitment 4.3.2.1.

Because of this delay, the attached list has been revised to show the new schedule for revising other directives to correctly reference the revised Order and new SQA Guide. These are minor changes being made to keep the directives system internally consistent; these minor changes do not constitute substantive direction related to SQA. The majority of these minor changes will involve reference



changes using the page change process. We will continue to actively involve the Board staff in the directive revision process. Questions concerning this commitment may be directed to me at (301) 903-8008 or Richard H. Lagdon at (301) 903-4218.

Sincerely,

A handwritten signature in black ink, appearing to read "Frank B. Russo". The signature is fluid and cursive, with a prominent loop at the end.

Frank B. Russo
Deputy Assistant Secretary
Office of Corporate Performance Assessment

Attachment

cc:

John S. Shaw, EH-1
C. Russell Shearer, EH-1
Mark B. Whitaker, DR-1
Richard H. Lagdon, EH-31
Brenda C. Coblentz, IM-21

Attachment

Directives	Nuclear Facility Safety Software Directive Topic and Proposed Change	Responsible Organization	Final Issue Target Date
DOE O 414.1C	Quality Assurance -- Add new outcome-based requirements in an attachment for broad applicability to nuclear facility safety software	EH	4/05
DOE G 414.1-4	Quality Assurance Guide for Safety Software -- new guide to support DOE O 414.1C, Attachment 5	EH	4/05
Directives	Minor changes to other Directives to reference revised Order and New Guide	Responsible Organization	Final Issue Target Date
DOE O 420.1	Facility Safety -- Update references to new QA Order requirements and guide	EH	8/05
DOE G 420.1-1	Nonreactor Nuclear Safety Design Criteria and Explosive Safety Criteria Guide for use with DOE O 420.1 Facility Safety -- Update references to new QA Order requirements and guide.	EH	12/05
DOE G 420.1-2	Guide for the Mitigation of Natural Phenomena Hazards for DOE Nuclear Facilities and Non-Nuclear Facilities -- Update references to new QA Order requirements and guide.	EH	12/05
DOE G 421.1-1	DOE Good Practice Guide, Criticality Safety Good Practices Program Guide for DOE Nonreactor Nuclear Facilities - Update references to new QA Order requirements and guide.	EH	12/05
DOE G 421.1-2	Safety Analysis Guide for 10 CFR 830, Subpart B - Update references to new QA Order requirements and guide.	EH	12/05
DOE STD 3009	Safety Analysis Guidance - Update references to new QA Order requirements and guide.	EH	12/05
DOE G 414.1-1A	Management and Independent Assessment Guide -- Refer to standards and add reference to Safety Software directives.	EH	12/05
DOE G 441.1-1A	Radiation Protection Programs Guide for 10 CFR 835, Occupational Radiation Protection - Update references to new QA Order requirements and guide.	EH	12/05
DOE O 200.1	Information Management - Update references to EH responsibility for software quality assurance.	CIO	12/05
DOE G 200.1-1	Software Engineering Methodology - Update references to new QA Order requirements and guide.	CIO	12/05

- Note:
1. Additional directives may be identified for updates to include reference to DOE O 414.1C requirements & DOE G 414.1-4.
 2. Some directives with minor reference changes maybe revised using the page change process.
 3. Directives recommended for revision will be revised in the normal update cycle or by the date shown.