



## Department of Energy

Washington, DC 20585

JUN 29 2005

The Honorable A. J. Eggenberger  
Acting Chairman  
Defense Nuclear Facilities Safety Board  
625 Indiana Avenue, NW, Suite 700  
Washington, DC 20004-2941

Dear Mr. Eggenberger:

The purpose of this letter is to inform you that the Office of Environment, Safety and Health's (EH) responsibility for Commitments 4.3.2 and 4.4.1 in the Department of Energy's Software Quality Assurance (SQA) implementation plan of March 13, 2003, has been completed. This plan was in response to Board Recommendation 2002-1, *Quality Assurance for Safety Software at Department of Energy Defense Nuclear Facilities*.

The Department committed to issuing the required SQA directives and to incorporate a Corporate QA function within EH. DOE O 414.1C, *Quality Assurance*, was revised to include the appropriate EH responsibilities and to require the use of NQA-1-2000, *Quality Assurance Requirements for Nuclear Facility Applications*, or other national or international consensus standards that provide an equivalent level of quality assurance requirements, to address the quality of safety software. To supplement the Order, DOE G 414.1-2, *Quality Assurance Management System for use with 10 CFR 830.120 and DOE O 414.1*, was updated and a new guidance document, 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*, was developed. All three directives were formally issued on June 17, 2005.

If you have any questions, please call me at (301) 903-8008 or Mr. Robert Loesch, Acting Director for Quality Assurance Programs, at (301) 903-4443.

Sincerely,

for

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

cc:  
Mark B. Whitaker, DR-1  
Robert M. Loesch, EH-31

