



Department of Energy
National Nuclear Security Administration
Washington, DC 20585



July 28, 2005

The Honorable A. J. Eggenberger
Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, N.W., Suite 700
Washington, D.C. 20004-2901

Dear Mr. Chairman:

The purpose of this letter is to inform you that the National Nuclear Security Administration (NNSA) has completed Commitments 4.2.3.3 and 4.2.4.3 of the Implementation Plan for Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 2002-1, *Quality Assurance for Safety Software at Department of Energy Defense Nuclear Facilities*. Commitment 4.2.3.3 required NNSA to complete the identification, selection, and assessments of safety system software and firmware in accordance with the schedule established in Commitment 4.2.3.2. Similarly, Commitment 4.2.4.3 required NNSA to complete the assessments in accordance with the schedule established in 4.2.4.2.

In our letter of December 22, 2003, we had provided you schedules for completing the identification, selection and assessment of safety software. These schedules have been periodically updated and provided to you and your staff during our quarterly briefings.

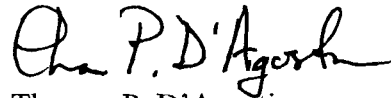
The list of safety software at NNSA nuclear facilities is provided in Enclosure 1. As a part of our Roadmap for Quality Assurance Excellence effort, we are continuing to validate the list of software and updating it, as appropriate. Furthermore, we are developing a process for identifying software in accordance with the definition and scope of DOE O414.1C, *Quality Assurance*. We expect to complete this process by June 2006.

We have conducted at least one software quality assurance assessment at each site. A list of assessments is provided in Enclosure 2. The assessment reports have been provided to your staff. As a part of our Roadmap for Quality Assurance Excellence, we are continuing to assess safety software quality assurance at our facilities. Lessons learned from the assessments are being incorporated into the *NNSA Safety Software Quality Assurance Good Practices Handbook*, currently under preparation.




We will continue to provide you the status of our progress in institutionalizing software quality assurance at NNSA facilities. If you have any questions, please contact me or have your staff contact Rabi Singh at (301) 903-5864.

Sincerely,



Thomas P. D'Agostino
Acting Deputy Administrator
for Defense Programs

Enclosures: 

1. List of NNSA Safety Software
2. List of Safety Software Quality Assurance Assessments

cc w/enclosures:

M. Whitaker, DR-1
J. Shaw, EH-1
J. Paul, NA-2