Department of Energy
Washington, DC 20585
June 29, 2004

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:

In September 2003, the Department reported interim completion of Commitment 4.2.1.4 in the Department's Implementation Plan for Software Quality Assurance (SQA) in response to Board Recommendation 2002-1. This commitment required the Department to issue code-specific guidance reports on the use of safety analysis toolbox codes identifying applicable regimes in accident analysis, default inputs, and special conditions for use. The September 2003 correspondence also indicated that the guidance reports may be updated based on the results of the gap analysis performed for Commitment 4.2.1.3.

The Department completed additional code developer and peer reviews to further improve their accuracy and issued the final gap analysis reports, which I provided to you on May 12, 2004. The code-specific guidance reports for the MACCS2, ALOHA, EPICODE, MELCOR, GENII, and CFAST toolbox codes have now been updated to reflect the final gap analysis conducted for each toolbox code and are attached.

Now that we have completed these reports, the Central Registry processes and procedures are being developed in conjunction with DOE Order 414.1C, *Quality Assurance*, and DOE Guide 414.1-4, *Implementation Guide for Use with Supplemental Safety Software Quality Requirements of DOE Order 414.1*. Questions concerning this commitment may be directed to Chip Lagdon at (301) 903-4218 or me at (301) 903-8008.

Sincerely,

Frank B. Russo
Deputy Assistant Secretary
for Corporate Performance Assessment

Attachments

cc:
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MACCS2 Final Guidance Report
ALOHA Final Guidance Report
EPICode Final Guidance Report
MELCOR Final Guidance Report
GENII Final Guidance Report
CFAST Final Guidance Report