



The Secretary of Energy
Washington, D.C. 20585

October 24, 2007

The Honorable A. J. Eggenberger
Chairman
Defense Nuclear Facilities Safety Board
625 Indiana Avenue, NW, Suite 700
Washington, DC 20004-2901

Dear Mr. Chairman:

Enclosed is the Department of Energy's (DOE) Implementation Plan (Plan) for the Defense Nuclear Facilities Safety Board's (Board) Recommendation 2007-1, *Safety-related In Situ Nondestructive Assay of Radioactive Materials*.

This Plan provides the Department's approach for addressing holdup measurements of fissionable material in installed process equipment, ancillary equipment, and supporting facility infrastructure using *in situ* Nondestructive Assay. The methodology applied to this Plan permits the Department to address the Board's Recommendation with the proper priority on safety. The program improvements that will result from addressing *in situ* Nondestructive Assay of fissionable materials will also benefit our ability to measure holdup of other radioisotopes.

DOE appreciates the support provided by the Board and its staff during the development of this Plan. We will keep you and your staff informed of our progress in completing the Plan.

I have assigned Mr. Richard Lagdon, Chief of Nuclear Safety, Office of the Under Secretary of Energy, as the Department's responsible manager for ensuring the Plan's successful completion. Mr. Lagdon can be reached at (202) 586-9471.

Sincerely,

A handwritten signature in black ink, appearing to read "S. W. Bodman".

Samuel W. Bodman

Enclosure

