



Department of Energy  
National Nuclear Security Administration  
Washington, DC 20585



January 3, 2008

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:

This purpose of this letter is to update you on one of the elements of our Implementation Plan (IP) for the Defense Nuclear Facilities Safety Board Recommendation 2000-1, *Stabilization and Storage of Nuclear Materials*.

Commitment 504-2 of the IP called for processing and stabilization of 165kg of non-weapons grade (NWG) plutonium at Los Alamos National Laboratory (LANL) by December 31, 2007. During a routine inventory assessment, a package of fuel grade plutonium oxide was found to be leaking. Subsequently, 20 additional packages containing fuel grade oxide were identified as having similar characteristics as the leaking package.

As a result, approximately 20kg of fuel grade material was prioritized and repackaged ahead of the 2000-1 inventory. LANL has stabilized 165kg of the 186kg NWG material. The remaining NWG material will be stabilized by June 30, 2008.

If you have any questions, please do not hesitate to contact me or Sujita Pierpoint at (301) 903-9601.

Sincerely,

Robert L. Smolen  
Deputy Administrator  
for Defense Programs

cc: Mark Whitaker, HS-1.1  
Don Winchell, LASO

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