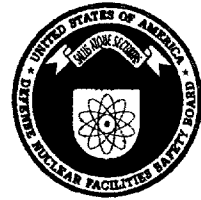


Peter S. Winokur, Chairman
Jessie H. Roberson, Vice Chairman
John E. Mansfield
Joseph F. Bader
Larry W. Brown

**DEFENSE NUCLEAR FACILITIES
SAFETY BOARD**

Washington, DC 20004-2901



September 14, 2010

Dr. Loni M. Peurrung
Product Line Manager
Pacific Northwest National Laboratory
P.O. Box 999
Richland, WA 99352

Dear Dr. Peurrung:

The Defense Nuclear Facilities Safety Board (Board) is holding a Public Hearing and Meeting on October 7-8, 2010, to consider safety related design topics of the Department of Energy's (DOE) Waste Treatment and Immobilization Plant at the Hanford Site. The focus of this hearing and meeting is the Pretreatment Facility in the areas of pulse jet mixing, delivery of feed from the High Level Waste Tank Farms, the Pretreatment Facility safety basis, and hydrogen control.

The Board requests your appearance to present insights from the Pacific Northwest National Laboratory's research and development activities related to pulse jet mixing at Waste Treatment and Immobilization Plant (WTP). We anticipate that your participation in this public meeting and hearing will provide needed information to the Board and DOE regarding unresolved issues in the areas of pulse jet mixing and criticality safety at the Pretreatment Facility. In order to efficiently accomplish the Board's goals, the format for this meeting and hearing will be limited to your responding to questions from the Board members—prepared statements will not be necessary, but can be, if you choose, submitted for the official record of the meeting and hearing. The agenda for the meeting and hearing is posted on the Board's web page, http://www.dnfsb.gov/pub_docs/public_hearings/all/ph.php (<http://www.dnfsb.gov>). The agenda will be updated periodically as preparations for the meeting and hearing are finalized.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter S. Winokur".

Peter S. Winokur, Ph.D
Chairman