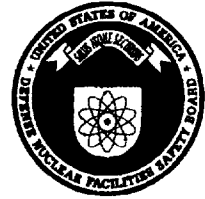


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**DEFENSE NUCLEAR FACILITIES
SAFETY BOARD**

Washington, DC 20004-2901



September 28, 2010

Dr. Arthur W. Etchells III
The DuPont Company, DuPont Engineering Technology
315 South 6th Street
Philadelphia, PA 19106

Dear Dr. Etchells:

We regret that you will not be able to attend the Board's Public Hearing and Meeting in Richland, Washington on October 7-8, 2010. As a technical consultant with expertise on mixing and slurry handling to both the Hanford Waste Treatment and Immobilization Plant (WTP) and the Hanford Tank Farms (TF), we value your technical opinion. As such, we request your technical feedback on the questions the Board posed to the Department of Energy with respect to the performance of mixing and sampling systems in the WTP and the waste feed delivery system and DOE's responses to those questions. These questions can be found at the following internet address, http://www.dnfsb.gov/pub_docs/correspondence/hanford/cor_20100908_hd.pdf, and begin with question 13 and conclude with question 22. For each question, please state if you agree or disagree with the response and your technical rationale for that conclusion. Additionally, provide your technical opinion on testing activities, analyses, and predictions related to mixing and sampling performance for both WTP and TF. Lastly, please state the scope of further testing that might be needed to establish a technically credible mixing and sampling system at the Hanford facilities.

Your responses are greatly appreciated and will be important to further the Board's understanding of the mixing concerns in WTP and TF. The responses are requested to be submitted by October 29, 2010. The responses will be added to the Board's record of the Public Hearing and Meeting.

Sincerely,

Peter S. Winokur, Ph.D
Chairman