

*Private Fuel Storage, L.L.C.*

7677 East Berry Ave., Englewood, CO 80111-2137

Phone 303-741-7009 Fax: 303-741-7806

John L. Donnell, P.E., Project Director

February 27, 2004

Mr. Mark Delligatti  
Senior Project Manager  
Spent Fuel Project Office  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville MD. 20852

**Private Fuel Storage, L.L.C. NRC Staff Questions Regarding Report by Holtec International, Inc. on the Structural Assessment of the Effects of an F-16 Aircraft Crash Impact into a HI-STORM 100 Spent Fuel Storage Cask**

**DOCKET NO. 72-22 / TAC NO. L22462**  
**PRIVATE FUEL STORAGE FACILITY**  
**PRIVATE FUEL STORAGE L.L.C.**

- References:
1. February 18, 2004 telephone call between NRC Staff and Private Fuel Storage, L.L.C.
  2. Holtec International, Updated Structural Evaluation of an F-16 Aircraft Impact on HI-STORM Overpacks at the PFS Facility, HI-2033134, January 2004.

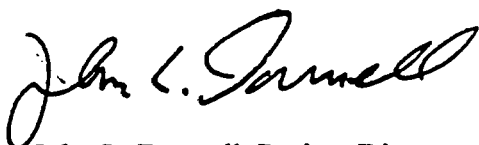
In a February 18, 2004 telephone call (Reference 1), the NRC Staff asked PFS for several clarifications of the discussions in the updated Holtec report (Reference 2) concerning: the effect of material strain rates on the yield strength and ultimate strength, fuel canister retrievability, cask steel rib element erosion, and weld strength. The Staff also asked PFS to verify that the use of cask lid shield shims would not affect the thermal performance of the cask. PFS is submitting the clarifications as new pages to be inserted into the updated Holtec report. PFS is submitting the thermal effect verification as a new Appendix G to the updated Holtec Report. In accordance with the Staff's determination that PFS's aircraft crash consequences analyses contain Safeguards Information, PFS has marked the enclosed material as Safeguards Information. In accordance with the modified protective order entered by Atomic Safety and Licensing Board on June 26, 2003, we are also providing copies of the enclosed material directly to lead counsel for the Staff (Sherwin Turk) and the State of Utah (Denise Chancellor) and to the members of the Licensing Board.

NMSS01

Mr. Mark Delligatti  
February 27, 2004  
Page 2

If you have any questions regarding this submittal, please contact me at 303-741-7009.

Sincerely,

A handwritten signature in black ink, reading "John L. Donnell". The signature is written in a cursive, flowing style with a large initial "J".

John L. Donnell, Project Director  
Private Fuel Storage L.L.C.

cc: Michael C. Farrar, Esq. (1 copy)  
Dr. Paul B. Abramson (1 copy)  
Dr. Peter S. Lam (1 copy)  
Sherwin E. Turk, Esq. (1 copy)  
Denise Chancellor, Esq. (2 copies)