

**RELATED CORRESPONDENCE**

April 17, 2002

**RAS 4336**

**DOCKETED 04/18/02**

Denise Chancellor, Esq.  
Utah Attorney General's Office  
160 East 300 South, 5th Floor  
P.O. Box 140873  
Salt Lake City, Utah 84114-0873

In the Matter of  
Private Fuel Storage, L.L.C.  
(Independent Spent Fuel Storage Installation)  
Docket No. 72-22-ISFSI

---

Dear Ms. Chancellor:

In accordance with our telephone conversation of earlier today, I am transmitting herewith copies of documents in the possession of the NRC Staff, that relate to the prefiled testimony of Michael Waters:

1. Memo from Julia Myers to Jack Guttmann and Mike Waters, Subject: "Dose Rate Observations for Various Concrete Densities in the Holtec HI-STORM 100 Storage Cask, 72-1014";
2. Input and output files for SAS-4 computer calculations, for 40 GWD/MTU and 10-year cooled fuel, for heated (horizontal) and unheated (vertical) HI-STORM 100 cask);
3. SAS-2H input file for 40 GWD/MTU and 10-year cooled fuel;
4. Title pages for SAS-2H and SAS4 shielding computer codes (NUREG/CR-0200);
5. Two color figures for the SAS4 shielding model;
6. Photocopies of selected pages from the HI-STORM 100 FSAR on shielding;
7. Portion of published article by R.G. Jaeger, *et al.*, entitled "Engineering Compendium on Radiation Shielding";
8. Summary by PNNL, entitled, "COBRA-SFS Analysis of the Holtec Hi-Storm 100 Storage System Following a Tip-Over";

Denise Chancellor, Esq.  
April 17, 2002  
Page Two

9. E-mail from Thomas Michener (PNNL) to Michael Waters (NRC) regarding heat load used in COBRA calculation;
10. COBRA-SFS Input File for HI-STORM 100 Cask - Blocked Vents"; and
11. E-mail message from Michael Waters to Sherwin Turk, dated April 17, 2002, Subject: "Computer output files for Thermal, Source Term, and Dose Calcs."

In addition, we have discussed the question of whether the State will require the deposition of Dr. Luk, or whether the production of documents related to his testimony and report will suffice, particularly in view of the travel demands that a deposition would impose on all parties at this time. In the interest of providing you with more complete information (and in the hope of obviating the need for a deposition), I am enclosing the following documents provided by Po Lam to Dr. Luk, concerning the deconvoluted time histories utilized in Dr. Luk's report:

1. Transmittal from Po Lam to Vincent Luk, dated August 27, 2001, Subject: "Analysis of Soil Foundation at Private Fuel Storage (PFS) Facilities";
2. Transmittal from Po Lam to Vincent Luk, dated October 17, 2001, Subject: "PFS, Reference Outcrop and Deconvoluted Second Set Motions"; and
3. Transmittal from Po Lam to Vincent Luk, dated January 22, 2002, Subject: "Private Fuel Storage Casks, 10,000-Year Event / First Revision on Report Dated January 11, 2002";

I expect to receive a list of additional documents from Dr. Luk shortly, and should be able to forward that to you tomorrow to assist you in identifying the documents you wish to obtain.

Sincerely,

**/RA/**  
Sherwin E. Turk  
Counsel for NRC Staff

By: Federal Express

Enclosures: As stated

cc w/Encl.: Jay Silberg, Esq.  
cc w/out Encl.: Service List