



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

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August 20, 1999

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

- References:
1. PFS letter, Donnell to U.S. NRC, Commitment Resolution Letter #12, dated July 28, 1999
  2. PFS letter, Donnell to U.S. NRC, Commitment Resolution Letter #14, dated August 6, 1999
  3. PFS letter, Donnell to U.S. NRC, Commitment Resolution Letter #16, dated August 10, 1999
  4. PFS letter, Donnell to U.S. NRC, Commitment Resolution Letter #15, dated August 6, 1999

References 1, 2, and 3 documented recent comments from the NRC/CNWRA regarding the Private Fuel Storage Facility (PFSF) design earthquake and geotechnical program, as well as comments on several PFSF calculations. The original commitment date for submittal of the information necessary to resolve these comments was August 20, 1999. PFS has determined that additional time is required in order to provide the necessary information and must therefore revise the submittal schedule for responses as indicated below:

**LICENSE AMENDMENT NO. 5**

License Amendment No. 5 will be submitted by August 27, 1999. This amendment will include the following revisions:

- Revise the PFSF design earthquake to utilize the PSHA approach with a return frequency of 2000 years
- Identification in the Safety Analysis Report (SAR) of what organization is responsible for construction as required by NUREG-1567

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- Update the discussion on Holtec Cask Stability to incorporate the results of the recent Analysis utilizing the new design earthquake (PSHA approach with a return frequency of 2000 years)
- Update the Emergency Plan to incorporate the RAI responses as discussed in Reference 4

The Holtec calculation/report for cask stability will also be submitted by August 27, 1999.

### **CALCULATION PACKAGE**

PFS will submit the following calculations by September 3, 1999:

- Geomatrix Calculation: Soil and Foundation Parameters for Dynamic Soil Structure Interaction Analyses
- Geomatrix Calculation: Development of Acceleration Time Histories for the Design Earthquake
- S&W Calculation: Stability Analysis of Storage Pads
- S&W Calculation: Stability Analysis of the Canister Transfer Building Supported on a Mat Foundation
- S&W Calculation: Development of Soil Impedance Functions for the Canister Transfer Building
- S&W Calculation: Seismic analysis of the Canister Transfer Building
- S&W Calculation: Design Analysis of the Seismic Support Struts for canister transfer

### **LICENSE AMENDMENT NO. 6**

PFS will submit License Amendment No. 6 by September 3, 1999. This amendment will include the following revisions:

- Update of the geotechnical sections to include results from the supplemental laboratory testing programs dated May 1998, November 1998, March 1999, June 1999, and August 1999
- Updated boring logs and profiles
- Updated static and dynamic soil parameters
- Update of the geotechnical sections to include the distribution of Standard Penetration Test blow count data across the pad emplacement area
- Update of the geotechnical sections to include results from the Cone Penetration testing program
- Update of the SAR to include a more detailed discussion, including sketches, of the Seismic Support Struts