

72-22



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

November 23, 1999

MEMORANDUM TO: Susan F. Shankman, Deputy Director
Licensing and Inspection Directorate
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

FROM: Mark S. Delligatti, Senior Project Manager
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF THE NOVEMBER 16, 1999, MEETING BETWEEN THE
NUCLEAR REGULATORY COMMISSION STAFF AND PRIVATE FUEL
STORAGE, LIMITED LIABILITY CORPORATION

On November 16, 1999, a meeting was held in Salt Lake City, UT between staff from the Nuclear Regulatory Commission (NRC) and Private Fuel Storage, Limited Liability Corporation (PFS) to discuss outstanding information needed by the staff to conclude its evaluation of the PFS license application sections dealing with soil classification, storage pad and cask transfer building foundations, and accident analysis. Also attending the meeting were representatives of the Center for Nuclear Waste Regulatory Analysis, the UT Attorney General Office, the UT Geologic Survey, the UT Department of Environmental Quality, Stone and Webster Engineering, and Shaw Pittman. The attendance list is attached. This meeting was noticed on November 1, 1999.

Regarding soil classification and foundation issues, the staff reiterated the need for PFS to provide revised input to the Safety Analysis Report (SAR). The staff believes that the lengthy multiple submittals presented on these issues have made it difficult for the review to be carried out. PFS agreed to provide the revision.

The staff discussed why it believes that further clarification is needed in PFS's discussion of soil classification. PFS has used several means to classify the soil. These include expert opinions, laboratory testing to determine the Atterberg limits, and cone penetration testing. The staff stated that it would be necessary for PFS to clarify the extent to which each process was used and how it supported or was supported by the other methods.

The staff has requested a better explanation of PFS's plan to demonstrate the stability of the storage pads and the cask transfer building foundation. PFS explained that it plans to pour concrete onto the soil before pouring the pad to, in effect, modify the soil composition where the structures will be built. This will enable PFS to demonstrate a better degree of frictional contact between the concretized soil and the structures.

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S. Shankman

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A few days prior to this meeting, PFS had submitted some additional data to the staff regarding the probability of crashes of various military aircraft at the proposed PFS site. While the staff had not had an opportunity to fully review this data, there were several areas where the staff had determined that further explanations or additional information was still necessary. These included a better explanation of the change to the accident scenario with regard to distribution of accidents. Further, the staff noted that language in information provided to PFS by military sources was not always completely clear and, therefore, not very useful for compliance demonstration. The staff requested that PFS revise this SAR information and clarify it appropriately.

During this meeting, no regulatory decisions were requested or made.

Please contact me if you wish to discuss this further.

Attachment: Attendance List

Docket No. 72-22

cc: Service List

November 29, 1999

A few days prior to this meeting, PFS had submitted some additional data to the staff regarding the probability of crashes of various military aircraft at the proposed PFS site. While the staff had not had an opportunity to fully review this data, there were several areas where the staff had determined that further explanations or additional information was still necessary. These included a better explanation of the change to the accident scenario with regard to distribution of accidents. Further, the staff noted that language in information provided to PFS by military sources was not always completely clear and, therefore, not very useful for compliance demonstration. The staff requested that PFS revise this SAR information and clarify it appropriately.

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Docket No. 72-22

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OFC:	SFPO	E	SFPO	EHC	SFPO	N
NAME:	MDeGatti		VThorne		RChapman	
DATE:	11/27/99		11/29/99		11/30/99	

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Attendance List
Meeting between U.S. Nuclear Regulatory Commission
and Private Fuel Storage, L.L.C.
February 16, 1999

<u>Name</u>	<u>Organization</u>
Mark Delligatti	NRC/NMSS
Sherwin Turk	NRC/OGC
John Donnell	PFS
Kazimieras Campe	NRC/NRR
Amitava Ghosh	CNWRA
Paul Trudeau	Stone & Webster
Thomas Change	Stone & Webster
Stan Macie	Stone & Webster
Goodluck Ofoegbu	CNWRA
Budhi Sagar	CNWRA
Jerry Cooper	Stone & Webster
Barry Solomon	UT Geologic Survey
Sean Barnett	Shaw Pittman
Denise Chancellor	UT Attorney General's Office
Connie Nakahara	UT Dept. of Environ. Quality
Sue Martin	PFS

Private Fuel Storage

cc:

Mr. John D. Parkyn
Chairman of the Board
Private Fuel Storage, L.L.C.
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Mr. Scott Northard, Project Manager
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The Honorable Michael O. Leavitt
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The Honorable Leon D. Bear, Chairman
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