

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

cc: Service List

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NAME:	MDeGatti		VThorne		RChapman	
DATE:	11/29/99		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.  
P. O. Box C4010  
La Crosse, WI 54602-4010

Mr. Scott Northard, Project Manager  
Private Fuel Storage, L.L.C.  
c/o Northern States Power  
414 Nicollet Mall, Ren Square 7  
Minneapolis, MN 55401

The Honorable Michael O. Leavitt  
Governor of Utah  
Salt Lake City, UT 84114-0601

The Honorable Leon D. Bear, Chairman  
Skull Valley Band of Goshute Indians  
2480 South Main, No. 110  
Salt Lake City, UT 84115

Mr. Jack Gerard  
McClure, Gerard and Neunschwander  
201 Maryland Avenue, NE  
Washington, DC 20002

Dr. Dianne R. Nielson, Executive Director  
Department of Environmental Quality  
State of Utah  
168 North 1950 West  
P. O. Box 144810  
Salt Lake City, UT 84114-4810

Ms. Sally Wisely, State Director  
Bureau of Land Management  
United States Department of the Interior  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

Mr. David L. Allison, Superintendent  
Bureau of Indian Affairs  
Uintah and Ouray Agency  
P.O. Box 130  
Fort Duchesne, UT 84026

Joro Walker, Esq.  
Land and Water Fund of the Rockies  
2056 East 3300 South, Suite 1  
Salt Lake City, UT 84109