

October 15, 1998

MEMORANDUM TO: Eric J. Leeds, Section Chief  
Spent Fuel Licensing Sect  
Spent Fuel Project

FROM: Charles E. Gaskin, Acting Chief Original signed by:  
Licensing Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

SUBJECT: RESPONSE TO TECHNICAL ASSISTANCE REQUEST -- REVIEW OF  
PRIVATE FUEL STORAGE ISFSI PHYSICAL PROTECTION PLAN -  
REQUEST FOR ADDITION INFORMATION (TAC NO. L22462)  
(FCLB TICKET NO. 98-37)

This is a response to your technical assistance request dated July 1, 1997, which requested a technical review of the Private Fuel Storage, L.L.C., Independent Spent Fuel Storage Installation Physical Protection Plan submittal of June 20, 1997.

As you are aware, this response has been delayed due to the associated licensing hearings and the publication of a new regulation associated with independent spent fuel storage installations.

Attached are technical review questions which must be answered prior to the approval of the physical protection plan.

If there are any questions concerning this review please contact Charles E. Gaskin, of my staff on 415-8116, E-mail ceg1@nrc.gov

Attachment: As stated

Docket 72-22

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**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D.C. 20555-0001

October 15, 1998

**MEMORANDUM TO:** Eric J. Leeds, Section Chief  
Spent Fuel Licensing Section  
Spent Fuel Project Office

**FROM:** Charles W. Emeigh, Acting Chief *C. W. Emeigh*  
Licensing Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

**SUBJECT:** RESPONSE TO TECHNICAL ASSISTANCE REQUEST – REVIEW OF  
PRIVATE FUEL STORAGE ISFSI PHYSICAL PROTECTION PLAN -  
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Attachment: As stated

Docket 72-22

**PRIVATE FUEL STORAGE FACILITY  
INDEPENDENT SPENT FUEL STORAGE INSTALLATION  
PHYSICAL PROTECTION PLAN**

**Revision 0 dated June 20, 1997**

**REVIEW COMMENTS**

<b>Page</b>	<b>Paragraph</b>	<b>Comments</b>
1-1	1-2	The plan should follow the updated Standard Review Plan (NUREG-1619) which is based upon the new 10 CFR 73.51.
1-3	Definitions	Protected area (PA) barrier - please clarify the height of the fence. Most barriers are constructed of a chain link fence topped with barbed wire to a total of 8 feet.
3-1	3.1	The Central Alarm Station (CAS) operator must be trained to perform the appropriate duties. Is this person also one of the on-duty security personnel for each shift? Please clarify.
3-3	3.3	Access authorization - The application of 10 CFR 73.56 is appropriate for a power reactor but is an excessive commitment for an ISFSI. The applicant should reconsider this commitment. It is the opinion of the reviewer that the basic concept behind Section 73.56 is appropriate but the establishment of an access control person may be overly burdensome.
4-2	4.3	Second paragraph - clarify that the secondary alarm station (SAS) operator is not one of the onsite security force.
	4.4	The illumination requirement (10 CFR 73.51(d)(2)) states that illumination must be sufficient to permit adequate assessment of unauthorized penetration of or activities within the protected area. The plan should so state.
5-1	5.3	Specify that individuals performing search function are trained in searching for firearms, explosive, and incendiary devices.
5-2		Last paragraph - Specify that the Security Force Captain or designee will assure that all packages allowed into the PA are suitably identified given the absence of the addressee.

ATTACHMENT

6-1 6.1 Provide assurance that the intrusion detection system has line supervision and is tamper indicating. The second sentence of this paragraph is an inadequate commitment.

Paragraph A - Commit to the criteria for detecting an intruder crossing the zone of detection stated in Regulatory Guide 5.44, "Perimeter Intrusion Alarm Systems."

9-1 9.2 Response force - As part of the review of the ISFSI physical protection plan the reviewer attempted to establish a reasonable response time which could be expected from the designated offsite responders. It would appear that the response time is excessive and would not accommodate the prevention of a loss of control at the facility and in providing a timely response.

Accordingly, the applicant must either find a method to reduce the response time for offsite responders or supplement the authoritative response with additional security force capabilities, such as weapons. This should be the subject of additional discussions between the applicant and the Nuclear Regulatory Commission.