

PRIVATE FUEL STORAGE FACILITY
LICENSE APPLICATION

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CHAPTER 1

GENERAL AND FINANCIAL INFORMATION

1.1 APPLICATION FOR LICENSE

Private Fuel Storage L.L.C. (PFSLLC) proposes to construct and operate an Independent Spent Fuel Storage Installation (ISFSI) at an away from reactor site located on the Skull Valley Indian Reservation in Tooele County, Utah. The Private Fuel Storage Facility (PFSF) site is located approximately 27 miles west-southwest of Tooele City in the center of Skull Valley, 1.5 miles west of Skull Valley Road. The site location is shown in Figure 1-1.

The function of the PFSF will be to store nuclear fuel that has been discharged from U.S. commercial nuclear generating plants. Spent fuel will be transported to Utah by rail. Two modes may be used to transport the spent fuel between the railroad main line and the PFSF site. The shipping cask will either be off-loaded at an intermodal transfer point at the railroad main line and loaded onto a heavy haul tractor/trailer for transporting to the PFSF, or the shipping cask will be transported via a new railroad line connecting the PFSF directly to the railroad main line.

Multi-purpose canisters will be utilized for both the shipping casks and storage casks. No handling of bare fuel will occur at the PFSF since operations will be limited to handling of sealed canisters. The project will operate under a "start clean, stay clean" (contamination free) philosophy which will serve to minimize the possibility of transporting any externally contaminated canisters to the PFSF. The canisters will be stored at the PFSF in a vertical configuration inside concrete storage casks, which will be stored on concrete pads in a protected area of the site.

This license application for the proposed PFSF has been prepared in accordance with 10 CFR Part 72 and the guidance provided in NRC Regulatory Guide 3.50, "Standard Format and Content for a License Application to Store Spent Fuel and Radioactive Waste", Rev. 1, September 1, 1989. The License Application consists of the following parts:

- (a) The License Application including the Proposed Technical Specifications and Preliminary Decommissioning Plan, as required by 10 CFR 72.26 and 10 CFR 72.30, respectively, which are set out herein.
- (b) The technical information outlined in a Safety Analysis Report as required by 10 CFR 72.24 which is enclosed in a separate document entitled "Private Fuel Storage Facility Safety Analysis Report" forwarded herewith and made a part hereof.
- (c) The emergency planning information required by 10 CFR 72.32 which is contained in a separate document entitled "Private Fuel Storage Facility Emergency Plan" forwarded herewith and made a part hereof.
- (d) Environmental information required by 10 CFR 72.34 and 10 CFR 51, Subpart A, which is contained in a separate document entitled "Private Fuel Storage Facility Environmental Report" forwarded herewith and made a part hereof.
- (e) Physical safeguards information required by 10 CFR 72, Subpart H which is contained in a separate document entitled "Private Fuel Storage Facility Security Plan". The Security Plan is forwarded under separate cover in accordance with 10 CFR 72, Subpart H and is made a part hereof.

