P.O. Box C4010, La Crosse, WI 54602-4010 John D. Parkyn, Chairman of the Board August 28, 1998

Mr. Glenn Carpenter, District Manager Bureau of Land Management 2370 South 2300 West Salt Lake City, UT 84119

Dear Mr. Carpenter:

APPLICATION FOR TRANSPORTATION ON FEDERAL LANDS PRIVATE FUEL STORAGE FACILITY PRIVATE FUEL STORAGE L.L.C.

References:

- 1) Stone & Webster letter, Hennessy to Carpenter, Transmittal of License Application, dated July 29, 1998
- 2) BLM letter, Lamb to Shum, #1793 (UT-934), dated June 30, 1998

Please find enclosed right-of-way applications for utilization of BLM managed public lands in support of two transportation options for the Private Fuel Storage Facility (PFSF) project. As noted in Reference 1, we had been in the process of amending our NRC License Application (LA) documents to reflect a revised approach to offsite transportation that is based on the information in the enclosed right-of-way applications. The NRC LA amendment has been completed and is being transmitted to the NRC concurrent with the submittal of these applications to BLM.

The purpose of the NRC LA is obtain a license to store nuclear power plant spent fuel on the Skull Valley Indian Reservation and includes an Environmental Report (ER) that contains a description of the environmental effects of transporting spent fuel to the PFSF, as well as the effects associated with constructing and operating the PFSF on the reservation. It is our understanding that the NRC will include BLM as cooperating agency in the ER review process and associated preparation of an EIS.

Our preferred transportation mode is by direct rail to the PFSF which necessitates a new rail spur. The proposed new rail spur originates from the Union Pacific mainline at Low Junction south of I-80 and proceeds along the western side of Skull Valley for 32 miles on BLM land to the Goshute Reservation (see enclosed figure 2.1-1 and drawings 0599602-EY-10, 11, 12, and 13).

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Mr. Glenn Carpenter Page 2 August 28, 1998

An alternate transportation mode is to offload the shipping casks from the rail mainline at an Intermodal Transfer Point (ITP) onto heavy haul trucks and travel on Skull Valley Road to the reservation. The proposed ITP is also on BLM land approximately 1.8 miles west of Timpie north of I-80 (located in the north half of the southeast quarter of the southeast quarter of section 12, T1N, R8W consisting of approximately 11 acres as shown on enclosed drawing 0599601-EY-9 and 14) and includes a short access road to connect to the existing frontage road.

Both modes of transportation are viable. The rail spur is the preferred mode of transportation because it involves less handling of the casks and is therefore more efficient and timely. In addition, while there is little traffic and population on Skull Valley Road, the large tractor/trailers needed to haul the casks will create some level of interference, which will be avoided using the rail spur. The intermodal / truck alternate provides a supplementary mode of transportation to the PFSF.

The Private Fuel Storage L.L.C. is aware of BLM topics of interest (Reference 2) and is looking forward to working with the BLM in addressing these topics and obtaining approval of the enclosed right-of-way applications.

If you have any questions, please contact me at 608-787-1236 or our Project Director, John Donnell, at 303-741-7009.

Sincerely,

John D. Parkyn, Chairman Private Fuel Storage L.L.C.

Jahn D. Prof.

JDP:sg

Enclosures

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Mr. Glenn Carpenter Page 3 August 28, 1998

## Copy to:

Mr. Leon Bear, Skull Valley Band of Goshute Indians

Mr. Mark Delligatti, NRC

Mr. Jay Silberg, Shaw Pittman

Mr. John Donnell, PFSLLC

Ms. Denise Chancellor, State of Utah

Mr. David Allison, BIA

Ms. Patricia Winmill, Parsons Behle

Ms. Margaret Swimmer, Hall Estill

STANDARD FORM 299 (10/95) Prescribed by DOI/USDA/DOT P.L. 96-487 and Federal

FORM APPROVED OMB NO. 1004-0060 Expires: August 31,1998

Register		RANSPORTATION AND						
UTILITY SYSTEMS A ON FEDERAL			FOR AGENCY USE ONLY					
NOTE:		esponsible for processing the application. Each agency may						
have specific and unique requirements to be met in preparing of the agency representative, the application can be completed			Date Filed					
Name and address of applicant (include zip code)		Name, title, and address of authorized agent if different from item 1 (include zip code)	3. TELEPHONE (area code) 303-741-7009					
	Private Fuel Storage L.L.C. PO Box C4010	John Donnell, Project Director PO Box 5406	Applicant Private Fuel Storage L.L.C.					
	La Crosse, WI 54602-4010	Denver, CO 80217-5406	Authorized Agent					
a b c d e f g	Corporation* Partnership/Association* State Government/State Agency Local Government Federal Agency	5. Specify what application is for: (check one)  a.	xeen received *					
	individual, or partnership are you a citizen(s) of the United Sta	tes? Yes No						
(b)	<ul> <li>(a) The right of way (ROW) will be used to construct a railroad spur from the Union Pacific mainline at Low, Utah to Skull Valley Indian Reservation across Public Lands administered by the BLM. The attached Figure 2.1-1 and drawings 0599602-EY-10, 11, 12, &amp; 13 depict the general route of the proposed right of way. See Environmental Report (ER) Section 3.2.1.5, "LOW CORRIDOR RAIL SPUR," for a more detailed description of the proposed spur.</li> <li>(b) The rail spur will be used to transport sealed transportation casks of spent nuclear fuel to the Private Fuel Storage Facility (PFSF), a temporary spent commercial nuclear fuel storage site. See description of the PFSF in ER Sec. 3.2.1.2, "STORAGE FACILITY."</li> <li>(c) The ROW is 32 miles long (3 mi parallel to I-80, 26 mi S, and 3 mi E to PFSF). A permanent right of way, anticipated to be 200 ft wide, is requested. Within this right of way, 40 ft will be used for the track bed with the remaining being related cuts and fills, which will be re-vegetated. See ER Sec. 3.2.1.5, "LOW CORRIDOR RAIL SPUR," for a more detailed description of the physical specifications of the spur. The applicant has commenced environmental and constructability analyses within a 1 mile wide corridor along the general route depicted in the attached drawings. Additional studie and analyses will be necessary in order to finalize the alignment within that corridor.</li> </ul>							
(d)	Term of use is expected to be 50 years.							
(e)	shipments of transportation casks will be shipped to	facility reaches its capacity of 4000 stored canisters, the site each year, resulting in less than one round triers will be shipped from the site to the Department of E	ip being made on average each week. At					
<b>(f)</b>	Each rail shipment consists of 3 – 5 transportation ovolumes.	casks. See ER Sec. 1.2, "NEED FOR THE FACILITY,"	for discussion of the anticipated shipment					
(g)	Construction of the rail spur is scheduled to begin in SCHEDULE."	the fall of 2000 and last about 14 months. See ER S	ec. 1.3, "PROPOSED PROJECT					
(h)	A temporary use area of 100 ft, 50 ft on each side of the corridor to temporarily stockpile soil). See ER S SPUR," for a discussion of the proposed construction	f the 200 ft wide permanent right of way may be necested. 4.4, "EFFECTS OF CONSTRUCTION AND OPER on.	isary for construction (storage area along RATION OF THE LOW CORRIDOR RAIL					
8. Attac	h a map covering the area and show location of project propos	See attached Figure 2.1-1 and drawings 0599 of the general route of the proposed right of v						
9. State	or Local government approval: Attached Applie	ed for <a href="#">Y</a> Not Required						
(Continue	d on next page)							

10.	Nonreturnable application fee: Attached Not required						
11.	Does project cross international boundary or affected international waterways? Yes No (if "yes," indicate on map)						
12.	Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested						
The PFSLLC has the technical and financial capability to construct, operate, maintain, and terminate the proposed railroad spur.							
Technical Capability							
	PFSLLC personnel have experience with the design, construction, and operation of rail transportation facilities and spent fuel handling associated with Nuclear Generating Plants and spent fuel storage facilities. The rail spur will be operated in accordance with all applicable NRC and DOT requiremen Chapter 9 of the PFSF Safety Analysis Report (SAR) provides a discussion of Technical Qualifications of the PFSF staff to design, construct, and ope the PFSF and related facilities.						
	Financial Capability						
	A financing plan has been developed that ensures the PFSLLC has reasonable assurance of obtaining the necessary funds to construct, operate and decommission the PFSF. See details of the financial capabilities in the LA, Sec. 1.6, "FINACIAL QUALIFICATIONS" and Sec. 1.7, "DECOMMISSIONING FUNDING ASSURANCE."						
13a	Describe other reasonable alternative routes and modes considered.						
	Two modes of transporting the casks from the Union Pacific mainline to the PFSF are being pursued. The preferred approach is by direct rail from the mainline to the PFSF via the proposed new rail spur discussed herein. Alternately, the casks would be transferred from rail car to truck trailer at an intermodal transfer point and transported to the PFSF via the Skull Valley Road using trucks. The intermodal concept is discussed in ER Sec. 3.2.1.4, "INTERMODAL TRANFER POINT / SKULL VALLEY ROAD.".						
b	Why were these alternatives not selected?						
	Both modes of transporting the casks are viable. The intermodal / truck option provides an additional method of transportation to the PFSF. The rail spur is the preferred mode of transportation to the PFSF because it involves less handling of the casks and is therefore more efficient and timely in comparison to the highway. In addition, while there is little traffic on the Skull Valley Road, the large tractor/trailers needed to haul the casks will create some level of traffic interference, which will be avoided using the rail spur.						
C.	Give explanation as to why it is necessary to cross Federal Lands.						
	Most of the land in the Skull Valley from the rail mainline to the Skull Valley Indian Reservation is public land administered by the BLM. No feasible rail spur route can be constructed outside of the BLM boundaries.						
14.	List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name)						
	NRC License Application for the PFSF Independent Spent Fuel Storage Installation (ISFSI)(Docket No. 72-22, dated 6/20/97)						
	Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.						
con resu own	Department of Energy (DOE) was mandated by the Nuclear Waste Policy Act of 1982 to provide permanent disposal of spent nuclear fuel from the nation's impercial nuclear power plants. However, the DOE has not met its 1998 deadline and will not be able to provide permanent storage until at least 2010. As a alt, utilities have to provide interim storage for their spent fuel beyond 1998. The PFSF allows storage for those plants, which may be unable to increase their storage space or where increased on-site storage might be economically disadvantageous. The PFSF may be the only alternative to the premature town of a power plant resulting in the loss of electrical power to the public. It also allows nuclear power plants that are permanently shutdown to remove all						

the spent fuel from the site and decommission. Construction of the rail spur is an integral part of the PFSF project. The need for the PFSF is described in ER Sections 1-1, "BACKGROUND," and 1-2, "NEED FOR THE FACILITY."

- (a) The cost of the new rail spur is still being evaluated, but the construction cost is currently estimated at \$25 million. See ER Sec. 7.3, "COSTS," for a detailed discussion of the costs of the PFSF.
- (b) Capital cost of the intermodal / truck option is estimated at \$10 million. Although the capital costs of the rail spur are higher, it is preferred because of the intrinsic benefits of less handling of the casks and avoidance of the highway system.
- (c) The proposed spur line is necessary in order to allow transportation of the spent fuel casks from the mainline to the storage facility for interim storage and, at the end of such storage, for transporting the spent fuel back to the mainline for movement to a permanent storage site. The direct benefit of the PFSF is the continued generation of electric power by the subscribing nuclear power plants. The benefits to the Skull Valley Band of Goshute Indians are steady revenue for the Tribal Government and Band members, jobs for tribal members, increased business at their convenience store during construction and operation, and the potential for new economic development due to the improved transportation access to the reservation. The benefits for Tooele County are cask surcharges, increase in regional employment due to the facility construction and operation, and procurement of materials and supplies for the facility. See ER Sec. 7.2, "BENEFITS," for a discussion of benefits.

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

There are no demographic impacts along the entire rail corridor since the route does not encounter any private ranches or public activities. Therefore, relocation of residential structures, or realignment of fencing, driveways, and roadside utilities will be minimal if required at all. In addition, all construction activity is south of Interstate 80, which eliminates any conflicts associated with the highway, such as overpass/underpass construction. See ER Sec. 4.4.1, "EFFECTS ON GEOGRAPHY, LAND USE, AND DEMOGRAPHY," for details.

No adverse impacts on socioeconomic resources are anticipated. Minor short-term employment will result from construction activities associated with the rail spur. These activities will utilize a local labor force commuting daily to the project area and will therefore not induce relocation of families and associated impacts on local government services. See ER Sec. 4.4.6, "EFFECTS ON SOCIOECONOMICS."

- 17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.
  - (a) The overall impacts on air quality from construction and operation will be minor and limited to the general vicinity of the corridor. Any impacts will mainly be associated with emissions of fugitive dust from construction activities and from locomotive emissions during cask transport operations. No long-term impacts on the local meteorology/climatology will result from these activities. See ER Sec. 4.4.3, "EFFECTS ON AIR QUALITY," for more details.
  - (b) Due to the low profile of the rail spur, the rail line will not be obviously visible from most locations in the valley. The rail spur will be apparent near I-80 and from high elevations in the Cedar Mountains. The visual change will be similar with other developments in the area, such as I-80, the RR mainline, and Skull Valley Road. Because of low recreational use of the area, the impact is not expected to be a significant impact. See ER Sec. 4.4.8, "EFFECTS ON REGIONAL HISTORICAL, CULTURAL, SCENIC, AND NATURAL FEATURES," for more details.
  - (c) There are no existing surface water bodies in the rail spur corridor. Ground water is over 100 ft below the surface. Therefore it is not expected that the rail spur will have any impact on hydrological resources. See ER Sec. 4.4.4, "EFFECTS ON HYDROLOGICAL RESOURCES."
  - (d) No bodies of water exist along the rail spur route except for dry arroyos, which will require the installation of culverts or small bridges to cross. See ER Sections 4.4.1, "EFFECTS ON GEOGRAPHY, LAND USE, AND DEMOGRAPHY," and "ENVIRONMENTAL PROTECTION AGENCY," for details.
  - (e) Since the distance between the proposed rail spur and residences along Skull Valley Road is 5 to 10 miles, construction and operation noise is not expected to be very audible. Sound level predictions for the locomotive and rail cars delivering casks to the site indicate that the maximum noise levels would be 31 dBA at Skull Valley Road, 26 dBA near Eight Mile Spring Road, and 19 dBA at the intersection of I-80 and Skull Valley Road. These levels are low and will have a minimal impact on valley residences and mountain wilderness study areas. See ER Sec. 4.4.7, "EFFECTS OF NOISE AND TRAFFIC," for details.
  - (f) Within the right-of-way, construction activities would temporarily remove 776 acres of greasewood and desert shrub/saltbrush habitat. Assuming a permanent railroad bed width of 40 ft, about 155 acres will be permanently altered. The remaining 621 acres will be re-vegetated after construction. There are no unique vegetation habitat features in the areas proposed for vegetation removal. See ER Sec. 4.4.2, "EFFECTS ON ECOLOGICAL RESOURCES," for details.
- 18. Describe the probable effects that the proposed project will have on (a) populations of fish, plantlife, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.
  - (a) The level of impact to the local population of wildlife from construction and operation is expected to be minimal. Construction activities will temporarily disturb resident wildlife along the rail spur. Larger mammals would temporarily avoid the construction area, but likely return following the completion of construction. Ecological surveys indicate that there are no threatened and endangered species located within the rail spur corridor, except for transient, infrequent occurrences by Bald Eagles and Peregrine Falcons. These should not be adversely affected by construction activities, since these activities are temporary. The rail spur has the potential to divide grazing animals and natural wildlife travel corridors between the west and east sides of Skull Valley briefly during construction. See ER Sec. 4.4.2, "EFFECTS ON ECOLOGICAL RESOURCES," for details.
  - (b) Due to the location, no effects to marine mammals will occur.
- 19. State whether any hazardous material, as defined in this paragraph, will be used, produced, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities. "Hazardous material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous materials also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCIA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.

Spent commercial nuclear reactor fuel will be transported within the rail spur right-of-way. The spent fuel is safely packaged in shipping casks licensed by the NRC under 10 CFR 71, "Packaging and Transportation of Radioactive Material," transported in accordance with 49 CFR 173, "Shippers General Requirements for Shipments and Packages" and 49 CFR 174, "Carriage by Rail," and physically protected in accordance with 10 CFR 73, "Physical Protection of Plants and Materials."

20. Name all the Department(s)/Agency(ies) where this application is being filed.

Department of Interior / Bureau of Land Management

I HEREBY CERTIFY. That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

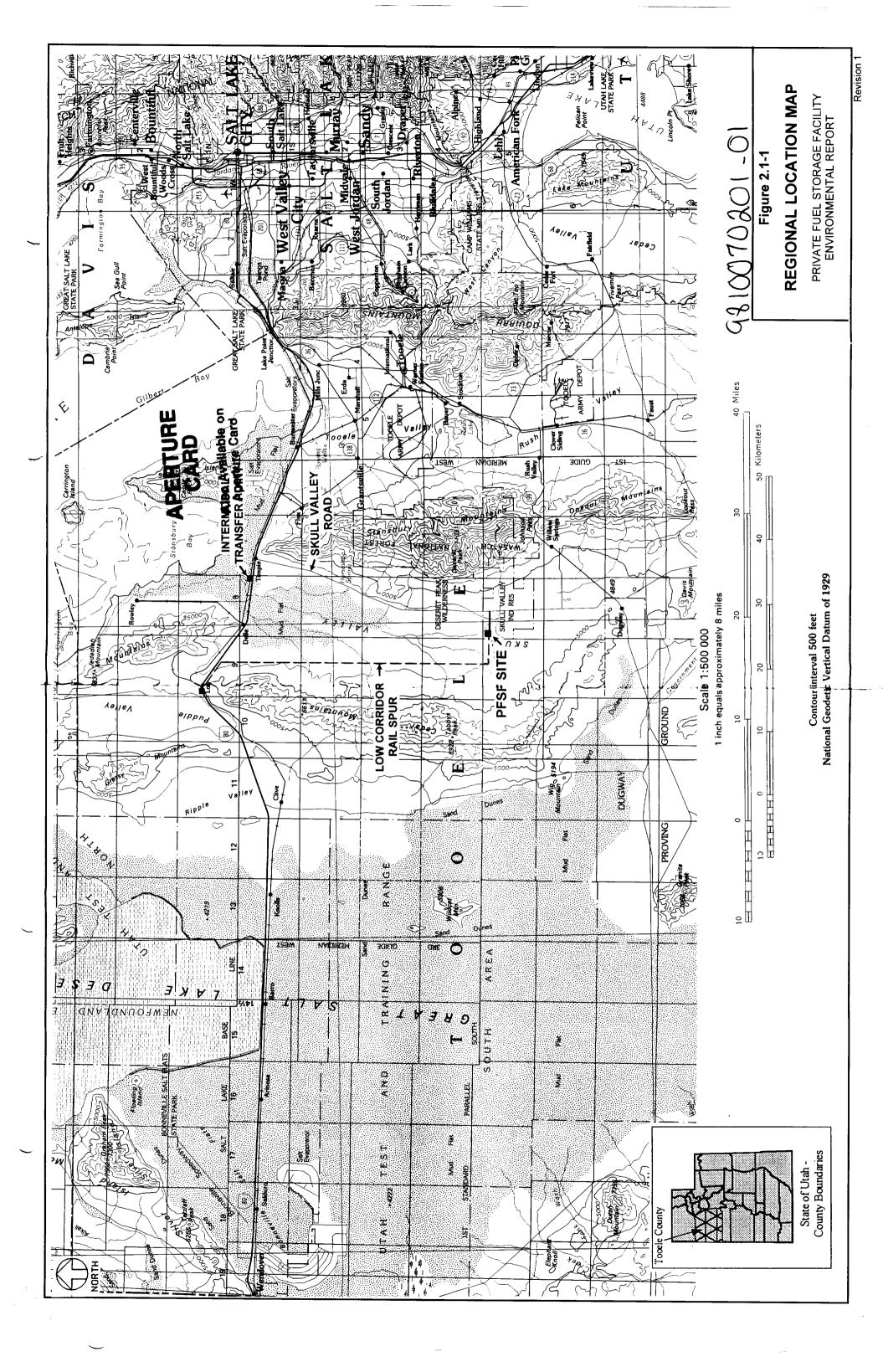
Signature of Applicant

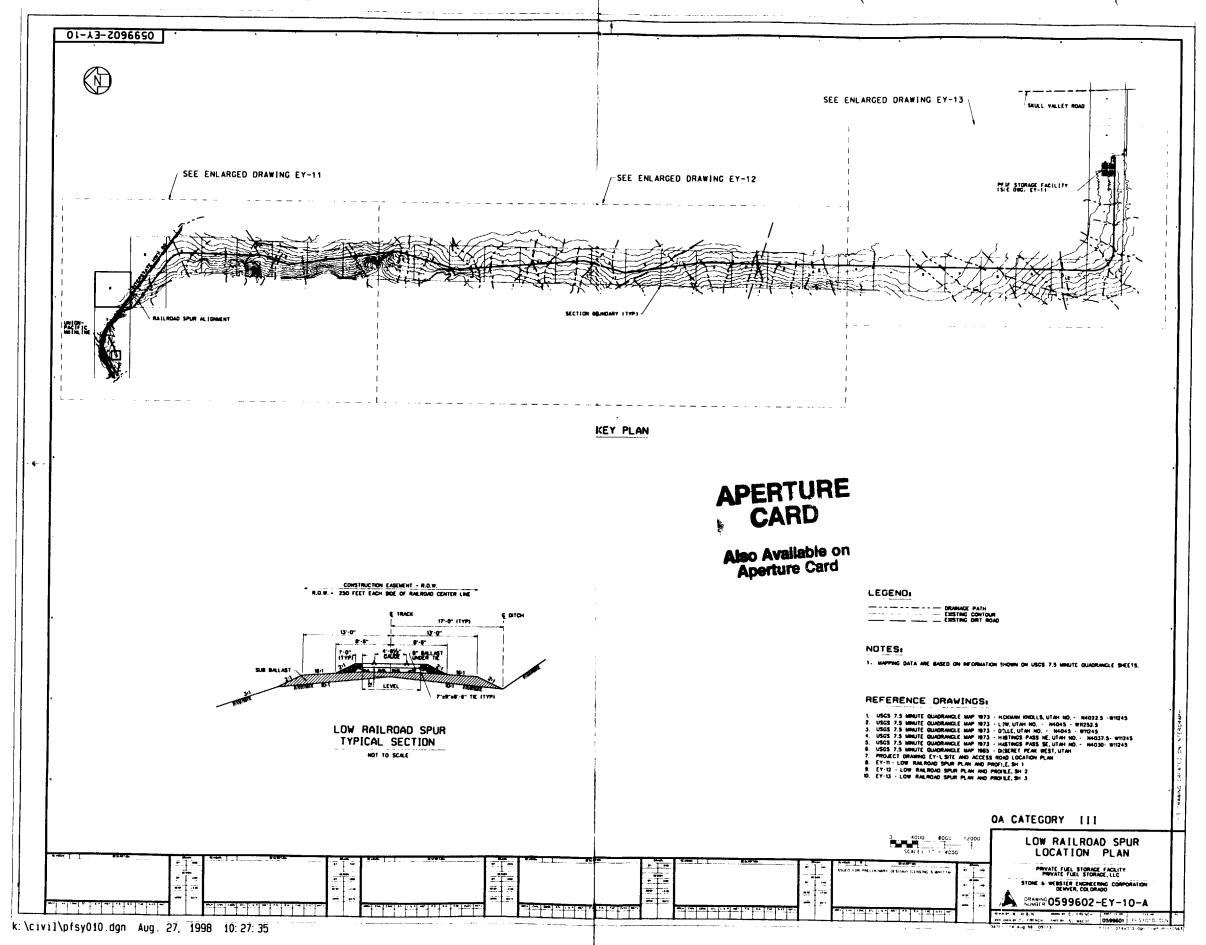
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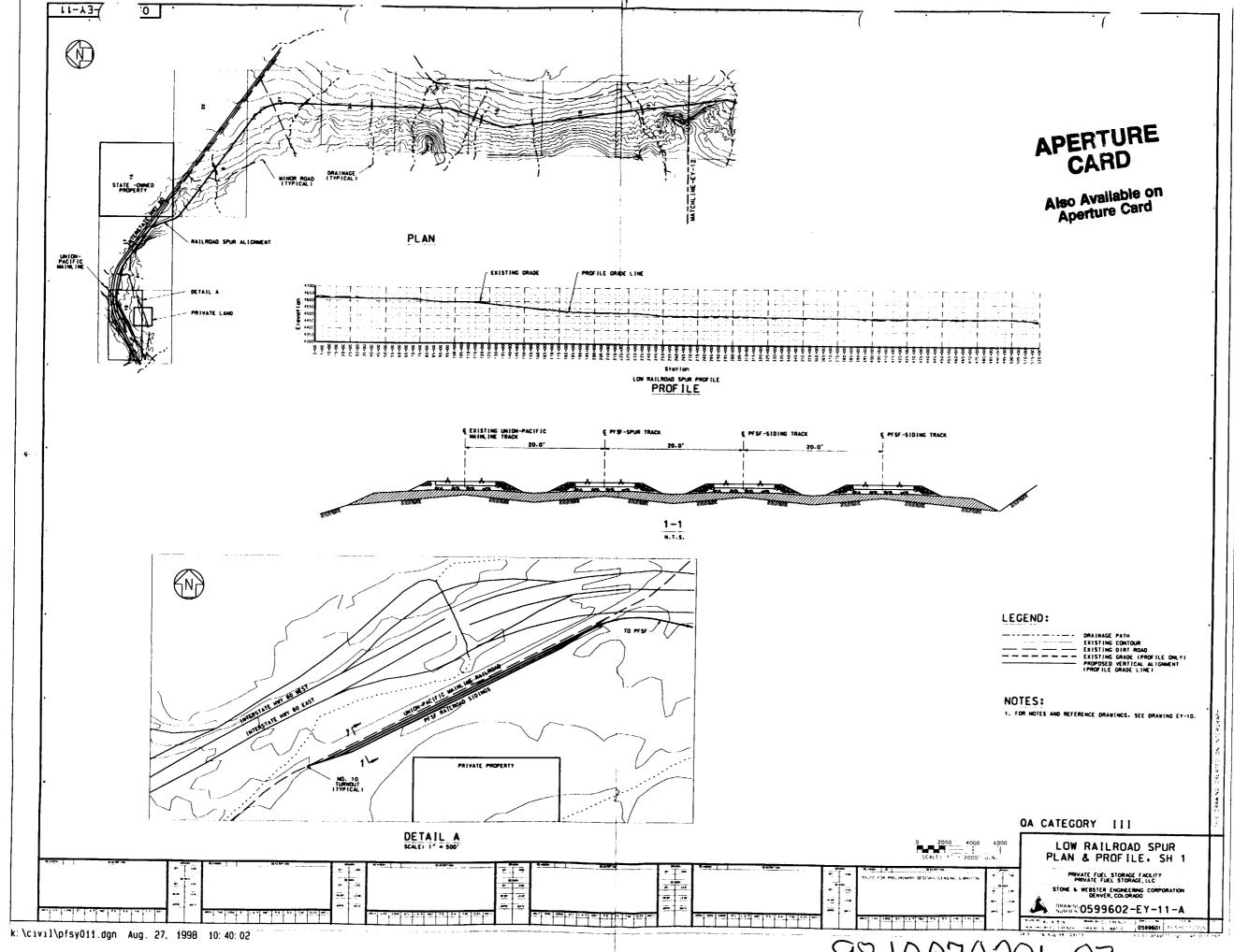
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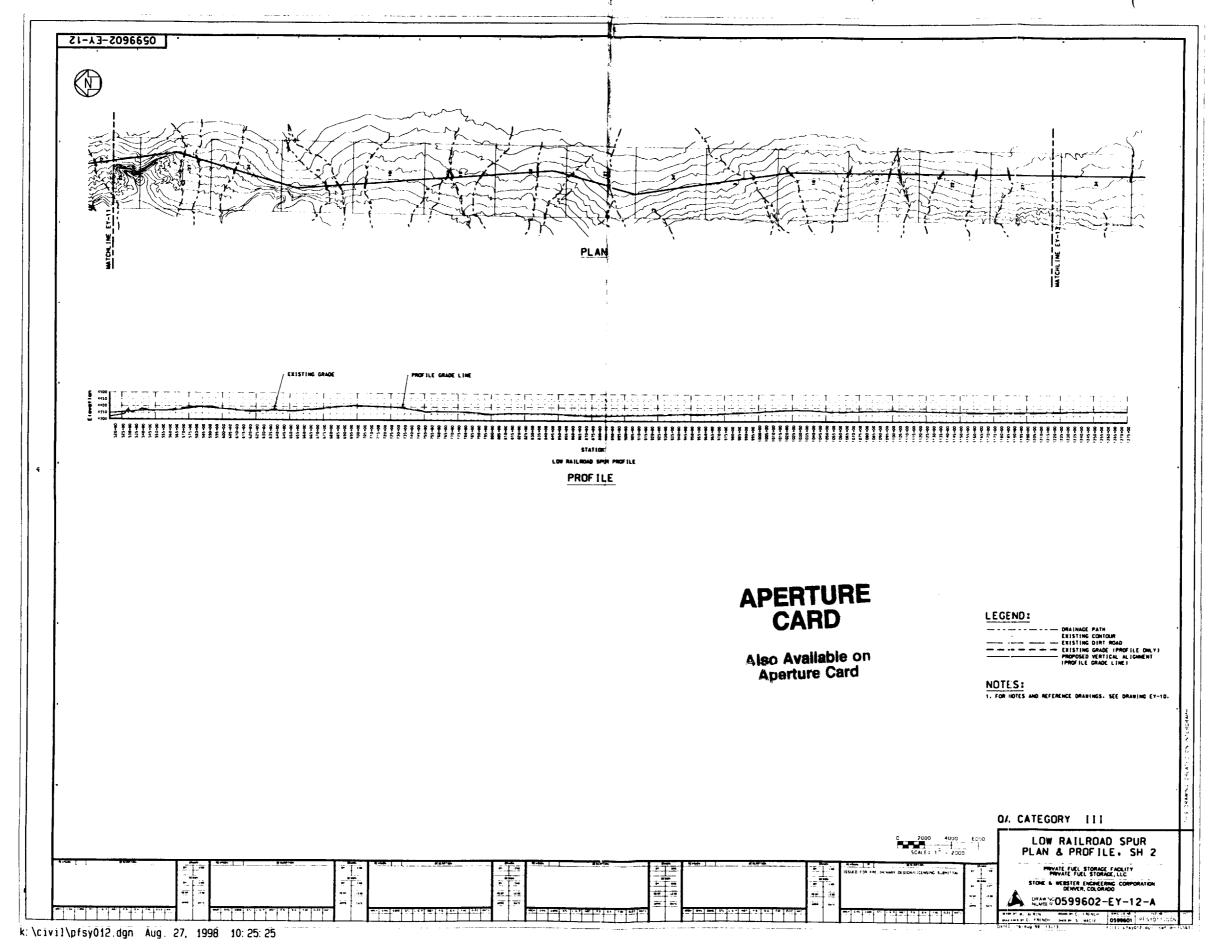
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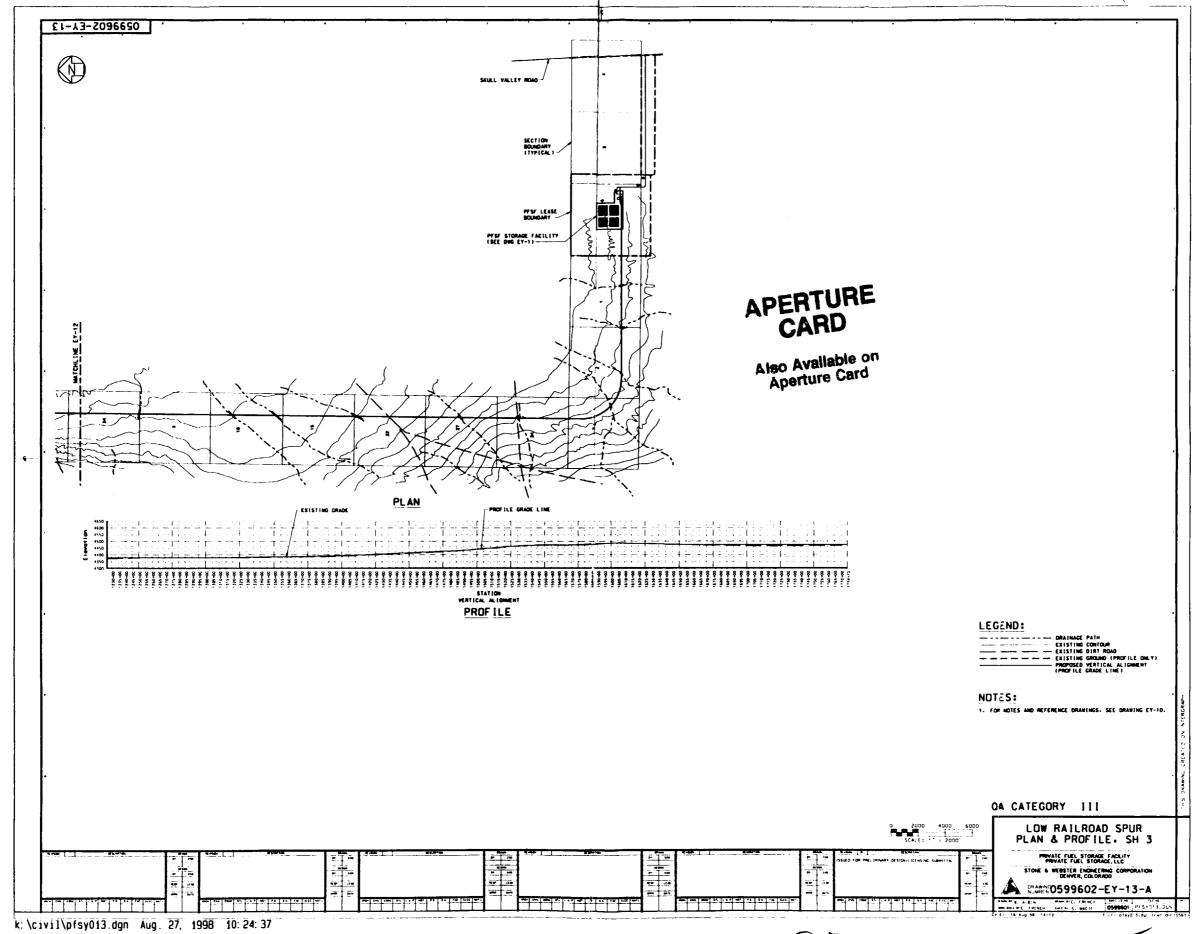
Title 16.U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.











STANDARD FORM 299 (10/95) Prescribed by DOI/USDA/DOT P.L. 96-487 and Federal Register Notice 5-22-95

## **APPLICATION FOR TRANSPORTATION AND**

FORM APPROVED OMB NO. 1004-0060 Expires: August 31,1998

-							
	UTILITY SYSTEMS AN ON FEDERAL L		FOR AGENCY USE ONLY				
NOTE: Before completing and filing the application, the applicant shape preapplication meeting with representatives of the agency remark have specific and unique requirements to be met in account.		esponsible for processing the application. Each agency	Application Number				
	the help of the agency representative, the application can be	may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.					
1. N	ame and address of applicant (include zip code)	Name, title, and address of authorized agent if different from item 1 (include zip code)	3. TELEPHONE (area code) 303-741-7009				
	Private Fuel Storage L.L.C. PO Box C4010 La Crosse, WI 54602-4010	John Donnell, Project Director PO Box 5406	Applicant Private Fuel Storage L.L.C.				
	La Ciosse, VVI 34002-4010	Denver, CO 80217-5406	Authorized Agent				
a. b. c. d. e. f. g.	5. Specify what application is for: (check one)  Individual Corporation* Partnership/Association* State Government/State Agency Local Government Federal Agency Limited Liability Corporation  5. Specify what application is for: (check one) a. ✓ New authorization b. Renewing existing authorization No. c. Amend existing authorization No. d. Assign existing authorization No. e. Existing use for which no authorization has been received * f. Other*  *If checked, provide details under item 7						
	an individual, or partnership are you a citizen(s) of the United Stat	les? Yes No					
(a (b	<ul> <li>width, grading. etc.): (d) term of years needed: (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction: and (h) temporary work areas needed for construction (Attach additional sheets, if additional space is needed.)</li> <li>(a) The right of way (ROW) will be used to construct an intermodal transfer point (ITP) next to the Union Pacific mainline 1.8 miles West of Timpie, Utah, on a parcel of ground within the N½ SE ½ SE ½ of Section 12, T.1N., R.8W., SLBM, which is public land administered by the BLM. See attached Figure 2.1-1 drawings 0599601-EY-09 &amp; 0599602-EY-14. The ITP is discussed in more detail in the Environmental Report (ER) at Section 3.2.1.4, "INTERMODAL TRANSFER POINT/SKULL VALLEY ROAD."</li> <li>(b) The ITP will be use as part of the transportation of spent commercial nuclear fuel to the Private Fuel Storage Facility (PFSF), a temporary spent fuel storage site. The sealed transportation casks will be transferred from rail cars to trucks at the ITP for further shipment to the PFSF via Skull Valley Road. See description of the PFSF in ER Sec. 3.2.1.2, "STORAGE FACILITY."</li> <li>(c) The ROW is approximately 9 acres of flat land located between the Union Pacific mainline and the I-80 frontage road (2 acres of Union Pacific land will also be used). The facilities will include one metal building (80 ft by 200 ft) and a 30 ft wide by 500 ft long access road connecting the ITP to an existing frontage road. The ITP also includes rail sidings, which are on Union Pacific right of way. See ER Sec. 3.2.1.4, "INTERMODAL TRANSFER POINT/SKULL VALLEY ROAD."</li> </ul>						
(d	Term of use expected to be 50 years.						
(e)	During the initial years of operation until the storage facility reaches its capacity of 4000 stored canisters, it is expected that between 100 to 200 shipments of transportation casks will be shipped to the site each year, resulting in less than one rail shipment per week being transferred to trucks at the ITP throughout the year. At the end of the storage facility's life, the 4000 canisters will be shipped from the site to the Department of Energy. See details in ER Section 3.3, "FACILITY OPERATION."						
<b>(f)</b>	Each rail shipment consists of 3 – 5 transportation casks to be transferred to trucks. See ER Sec. 1.2. "NEED FOR THE FACILITY," for a more detailed discussion of the anticipated shipment volumes.						
(g)	Construction of the ITP is scheduled to begin at the beginning of 2001 and last about 1 year. See ER Sec. 1.3, "PROPOSED PROJECT SCHEDULE."						
(h)	All work will be performed within the request ROW bo	oundaries and Union Pacific land.					
B. Att	ach a map covering the area and show location of project proposa	See attached Figure 2.1-1 and drawings 0599	9601-EY-09 and 0599602-EY-14				
	te or Local government approval: Attached Applied	d for <u>✓</u> Not Required					
Contin	ued next page)						

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10.	Nonre	eturnable application fee:	Attached	Not required							
11.	Does	project cross international	I boundary or affected	international waterwa	ays? Yes	<u>✓</u>	No (if "yes," ii	ndicate on map)			
12.	Give :	statement of your technica	al and financial capab	ility to construct, open	ate, maintain, and	term	inate system for	r which authorization	n is being reque	sted	
The	e PFS	SLLC has the technical	and financial capal	bility to construct, o	perate, maintai	in, ar	nd terminate th	ne ITP.			
	Tec	chnical Capability									
	PFSLLC personnel have experience with the design, construction, and operation of rail and truck facilities and spent fuel handling associated with Nucle Generating Plants and spent fuel storage facilities. The ITP will be operated in accordance with all applicable NRC and DOT requirements. Chapter 9 the PFSF Safety Analysis Report (SAR) provides a discussion of Technical Qualifications of the PFSF staff to design, construct, and operate the PFSF related facilities.						er 9 of				
	Fina	ancial Capability									
	dec	nancing plan has been ommission the PFSF. NDING ASSURANCE.	See details of the								
13a	. De	scribe other reasonable a	Itemative routes and I	modes considered.							
	app Hov	o modes of transporting lication, the casks wou vever, the preferred ap 1.5, "LOW CORRIDOR	ild be transferred fr proach is by direct	om rail car to truck	trailer at the IT	Pan	d transported	to the PFSF via t	he Skull Valle	Road using trucks	s ER Sec.
b	. <b>W</b> r	ny were these alternatives	not selected?								
	PFS traff	h alternatives are viable SF because it involves fic on the Skull Valley re spur.	less handling of the	e casks and is there	efore more effic	cient a	and timely in c	comparison to the	highway. In a	addition, while there	e is little
C.	Giv	ve explanation as to why it	is necessary to cross	Federal Lands							
	num	ITP must be located nationation of private industrials industrials and subset of viable locations public lands administers.	ustry in the area, the on which the ITP o	e interstate right of can be constructed.	way, the Great The federal la	t Salt ands l	Lake, topogra located betwe	aphical obstacles en the Union Pac	bird refuges, ific mainline a	and wetland areas nd the I-80 frontag	limit the
14.	List au	uthorizations and pending	applications filed for s	similar projects which	may provide infor	rmatio	on to the authoriz	zing agency. (Spec	cify number, date	e, code, or name)	
	NRC	C License Application for	or the PFSF Indepe	endent Spent Fuel	Storage Installa	ation	(ISFSI)(Docke	et No. 72-22, date	d 6/20/97)		
		le statement of need for prince finext best alternative; and			d items such as:	(a) c	ost of proposal (	(construction, opera	tion, and mainte	nance); (b) estimate	ed
As a to in premember	ion's of a resurt of a result	ear Waste Policy Act o commercial nuclear poo ult, utilities have been fo se their own storage sp e shutdown of a power ull the spent fuel from the ons 1-1, "BACKGROUI	wer plants. However orced to provide into pace or where increar plant resulting in the presite and decomments.	er, the DOE has not terim storage for the eased on-site storag he loss of electrical mission. Constructi	t met its 1998 d eir spent fuel be ge might be ecc I power to the p ion of the ITP is	leadli eyono onom oublic	ine and will no d 1998. The P lically disadva to the transport of the control of	ot be able to provi PSF allows stora ntageous. The P s nuclear power p	de permanent ge for those pl FSF may be tl lants that are	storage until at lea lants, which may be ne only alternative permanently shutd	ast 2010. e unable to the own to
	(a)	The cost of the propos	sed ITP is estimate	ed at \$10 million. S	ee ER Sec. 7.3	3, "C(	OSTS," for a d	etailed discussion	of the costs	of the PFSF.	
	(b)	Capital cost of the pro	posed rail spur is e	estimated at \$25 m	illion.						
	(c)	The proposed ITP is a storage and, at the er mainline to a permane plants. The benefits t	nd of such storage, ent storage site. Th	for transferring the e direct benefit of t	spent fuel ship the PFSF is the	ping cont	casks from tru	uck to rail cars for tion of electric por	further transp ver by the sub	ortation on the rail scribing nuclear po	road ower

members, increased business at their convenience store during construction and operation, and the potential for new economic development due to the improved transportation access to the reservation. The benefits for Tooele County are cask surcharges, increase in regional employment due to the facility construction and operation, and procurement of materials and supplies for the facility. See ER Sec. 7.2, "BENEFITS," for a discussion of

benefits.

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

The proposed ITP is located on previously disturbed public land administered by the BLM that is currently not in use. No relocation of residential, commercial, or industrial structures is anticipated under this alternative. There are no wetlands or other environmentally sensitive areas near the ITP and access road. Demographic impacts will be minimal. See ER Sec. 4.3.1, "EFFECTS ON GEOGRAPHY, LAND USE, AND DEMOGRAPHY," for details.

Minor short-term employment will result from construction activities associated with the ITP. These activities will utilize a small local labor force commuting daily to the project area and will not require relocation. Therefore it is anticipated that no adverse impacts on socioeconomic resources will result from these activities. Operationally, the infrequent transport of casks along Skull Valley Road will have no adverse socioeconomic impacts. See ER Sec. 4.3.6, "EFFECTS ON SOCIOECONOMIC RESOURCES," for details.

- 17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.
  - (a) There will be minor air quality impacts resulting from construction of the ITP consisting of fugitive dust and diesel emissions. Similarly, the effects on air quality from cask transport between the ITP and the PFSF will be minor and will consist mainly of diesel emissions from the heavy haul trucks that will make 3-5 round trips per week. Impacts to residences is insignificant. See ER Sec. 4.3.3, "EFFECTS ON AIR QUALITY," for more details.
  - (b) There will not be any significant impacts to the scenic environment. The existing area primarily consists of disturbed and developed areas (i.e., UP mainline and I-80 Interstate highway, and nearby industrial plants. See ER Sec. 4.3.8, "EFFECTS ON REGIONAL HISTORICAL, CULTURAL, SCENIC, AND NATURAL FEATURES," for more details.
  - (c) There are no existing surface water bodies near the ITP. Utilizing the ITP frontage road to accommodate heavy haul vehicles is judged to have no additional impact on the existing hydrological resources along the road right-of-way. See ER Sec. 4.3.4, "EFFECTS ON HYDROLOGICAL RESOURCES," for details.
  - (d) There are no existing surface water bodies near the ITP. The ITP will be designed with gentle slopes to control runoff and erosion. See ER Sec. 4.3.4, "EFFECTS ON HYDROLOGICAL RESOURCES," for details.
  - (e) It is expected that 3-5 round trips per week will be required for the heavy haul transportation of casks from the ITP. The heavy haul tractor/trailer will travel at approximately 20 mph resulting in a sound level, 50 feet from the frontage road, of 85 dBA. This is similar to a conventional tractor-trailer at normal highway speeds, however, the duration of the noise will be longer due to the slower speed. Due to the infrequency of these trips and because of the undeveloped nature of the frontage road and Skull Valley Road, no significant noise impacts are anticipated from this minor increase in sound levels. See ER Sec. 4.3.7, "EFFECTS OF NOISE AND TRAFFIC," for details.
  - (f) About 11 acres of land (9 acres of public land and 2 acres of Union Pacific) will be disturbed at the ITP for the building, access road, and rail sidings. In general, the small amount of vegetation lost will be a minor impact as much of this land is composed of common habitat types, such as desert shrub/saltbush. See ER Sec. 4.3.2, "EFFECTS ON ECOLOGICAL RESOURCES," for details.
- Describe the probable effects that the proposed project will have on (a) populations of fish, plantlife, wildlife, and marine life, including threatened and endangered species; and
   (b) marine mammals, including hunting, capturing, collecting, or killing these animals.
  - (a) Since the proposed ITP is at a previously disturbed site and is surrounded by developed features, effects to wildlife will be minimal. See ER Sec. 4.3.2, "EFFECTS ON ECOLOGICAL RESOURCES," for details.
  - (b) Due to the location, no effects to marine mammals will occur.
- 19. State whether any hazardous material, as defined in this paragraph, will be used, produced, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities. "Hazardous material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous materials also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCIA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.

Spent commercial nuclear reactor fuel will be transported within the ITP right-of-way. The spent fuel is safely packaged in shipping casks licensed by the NRC under 10 CFR 71, "Packaging and Transportation of Radioactive Material," transported in accordance with 49 CFR 173, "Shippers General Requirements for Shipments and Packages" and 49 CFR 174, "Carriage by Rail," and physically protected in accordance with 10 CFR 73, "Physical Protection of Plants and Materials."

20. Name all the Department(s)/Agency(ies) where this application is being filed.

Department of Interior / Bureau of Land Management

I HEREBY CERTIFY. That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Signature of Applicant

L. Samell for Loss Amaga

Date

8-28-98

Title U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

