



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

June 15, 1994

Docket Nos. 50-282,
50-306,
and 72-10

LICENSEE: Northern States Power Company

FACILITY: Prairie Island Nuclear Generating Plant

SUBJECT: ALTERNATE SITE FOR DRY CASK STORAGE

A meeting was held at NRC Headquarters on June 2, 1994, with Northern States Power (NSP) to discuss NSP's plan and schedule involved in locating a spent fuel storage facility offsite in Goodhue County. Enclosure 1 lists the attendees.

On May 6, 1994, the Minnesota State Legislature passed a bill dealing with dry cask storage at the Prairie Island Nuclear Generating Plant. The bill allowed NSP to load and store five spent fuel casks at the Prairie Island site. An additional four casks may be filled and used at Prairie Island provided certain conditions are met. These conditions include NSP filing an application for an offsite storage facility with the NRC by December 31, 1996. An additional eight casks may be filled and used at Prairie Island if additional conditions are met, which include start of construction of the offsite storage facility by December 1998.

The June 2, 1994, meeting was the initial information exchange between NRC and NSP regarding the alternate dry cask storage site. The meeting began with NSP reviewing the provisions of the bill passed by the Minnesota State Legislature, concentrating on those provisions that addressed the alternate site. NSP has established a Legislative Compliance Task Force to help address each of the bill's provisions. The task force is described in Enclosure 2.

NSP presented a draft Goodhue County independent spent fuel storage installation (ISFSI) permitting schedule. (The schedule was not provided as a handout at the meeting.) Due to the preparation and review times, the licensee emphasized the need to coordinate schedules and requirements of the NRC and the State in order to meet the deadlines defined by the bill. The NRC suggested that future meetings between NRC and NSP regarding the alternate ISFSI site could include State participation.

The primary State agency involved in approving the alternate ISFSI site is the Minnesota Environmental Quality Board (MEQB). NSP anticipates filing with the MEQB by mid-year 1995. It will present to the Board a primary, preferred site and as a minimum one alternate site. In addition, the environmental impact process allows the public to suggest alternate sites. The state process and schedule may result in the final site not being approved by the State until after December 1996. Since the bill requires NSP to submit an application to the NRC by December 1996, NSP may need to file an application that addresses more than one alternate site. NSP asked whether the multiple sites would require multiple applications. NRC responded that further consideration would be needed before answering that question.

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Construction was another aspect of the schedule that was discussed. NSP wanted to clarify whether the environmental impact statement needs to be completed prior to commencing construction. As stated in 10 CFR 72.40(b), grounds for denial of a license to store spent fuel in the proposed ISFSI may be the commencement of construction prior to (1) a finding by the NRC Director of Nuclear Material Safety and Safeguards (NMSS) or (2) a finding after a public hearing that the action called for is the issuance of the proposed license with any appropriate conditions to protect environmental values.

During the meeting, NMSS reviewed the availability and status of casks currently approved or expected to be approved in the next few years. These included transportation casks, dual purpose casks and multipurpose casks (MPCs). There are a small number of approved truck and rail casks available for transportation of spent fuel. An example is the IF300, a rail cask which handles only seven PWR assemblies. Currently, there are only four IF300 casks available for use. This type of cask was mentioned as an option; however, use of a transportation cask would also require use of an approved storage cask at the alternate site and a facility for transferring fuel at the alternate site.

A dual purpose cask is a cask certified for transportation and approved for storage. The Nuclear Assurance Corporation has an application for a dual purpose cask design under review by the NRC. VECTRA Technologies Inc., has also submitted a NUHOMS system dual purpose design to the NRC for review. This design is being reviewed as part of the Rancho Seco Part 72 storage application.

The Department of Energy has requested proposals for MPC designs. An MPC is similar to a dual purpose cask in that it is approved for transportation and storage; however, consideration would be given for ultimate disposal and it would be evaluated for potential use in a repository. NRC does not anticipate any MPC applications in the next year.

NSP also stated it is exploring the possibility of certification of the TN-40 for transportation under 10 CFR Part 71. The TN-40 is the cask Prairie Island is licensed to use to store fuel at the onsite ISFSI.

A number of other general questions were raised regarding 10 CFR Part 72 requirements for the alternate site location. Issues included geological and meteorological data, quality assurance, security, and emergency preparedness. As NSP continues its siting process, specific aspects of these issues will be discussed further.

If you have any questions regarding this summary, please contact me at (301) 504-3024.

Original signed by

Marsha Gamberoni, Project Manager
Project Directorate III-1
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Enclosures:

- 1. List of Attendees
- 2. Task Force

cc w/enclosures: See next page

OFFICE	LA:PD31	PM:PD31	NMSS	D:PD31
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DATE	06/15/94	06/15/94	06/15/94	06/15/94

Northern States Power Company

Prairie Island Nuclear Generating
Plant

cc:

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Department of Public Service
121 Seventh Place East
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LIST OF ATTENDEES

ALTERNATE SITE FOR PRAIRIE ISLAND DRY CASK STORAGE

June 2, 1994

<u>NAME</u>	<u>ORGANIZATION</u>
J. Zwolinski	NRC
L. Marsh	NRC
M. Gamberoni	NRC
G. Arlotto	NRC
C. Haughney	NRC
F. Sturz	NRC
J. Schneider	NRC
M. Lusardi	NRC
W. Reamer	NRC
B. McCabe	NRC
D. Antony	NSP
R. Anderson	NSP
J. Jensen	NSP
G. Eckholt	NSP

LEGISLATIVE COMPLIANCE TASK FORCE

Steering Committee

L. Eliason
L. Taylor
G. Johnson
D. Antony
R. Schulte
D. Sparby
M. Anderson

NRC/Nuclear

- Joe Jensen
- NRC Site/MPC Application
- Alternatives Study/Plan
- Worker Transition Plan
- Decommissioning Plan
- Nuclear Phase-out Study

EQB

- Jim Alders
- Site alternative ISFSI
- Site renewables/transmission

Energy Task Force

- Merle Anderson
- Dave Sparby
- Energy Task Force requirements
- Radioactive Waste study
- Meeting remaining bill requirements

Community Relations/ Communications

- Laura McCarten
- John Bousquet
- Coordinate development and implementation of community relations plan

Legal

- Audrey Zibelman
- Coordinate legal assistance for tasks
- Contract with Governor

Renewables/ Planning

- Glynis Hirschberger
- Develop alternatives plan
- Integrate with IRP

Mescalero/DOE

- Scott Northard
- Coordinate transition to Mescalero site/requirements
- Coordinate interface with DOE

PUC/DPS

- D. Sparby (coordinator)
- Manage MPC requirement
- Manage various C of N Application
- Integrate with IRP
- Cost Recovery

MEETING SUMMARY, FOR MEETING HELD ON 6/02/94

DATED: June 15, 1994

Docket File

NRC & LPDRs

PD31 Reading

W. Russell/F. Miraglia, 12/G/18

L. Reyes, Acting

J. Roe

J. Zwolinski

L. Marsh

M. Gamberoni

C. Jamerson

OGC

W. Reamer

E. Jordan

G. Arlotto

C. Haughney

F. Sturz

J. Schneider

M. Lusardi

W. Reamer

M. Landau. 2/G/5

ACRS (10)

B. McCabe, EDO, 17/G/21

W. Kropp, RIII

cc: Licensee & Service List