

FEB 5 1976

PDR

Darrell G. Eisenhut, Assistant Director for Operational Technology, DOR
TECHNICAL ASSISTANCE REQUEST NO. ORB-2-210

Plant Name: Monticello

Docket No: 58-263

Branch Code: ORB-2

Project Manager: R. Snaider (27403)

Operational Technology Branches: Engineering Branch and Plant Systems Branch

Requested Completion Date: February 27, 1976

DESCRIPTION OF REQUEST: The Northern States Power Company (NSP) previously submitted data concerning the use of large spent fuel shipping casks for the removal of spent fuel from the Monticello Nuclear Generating Plant. Analysis has shown that the 70 ton General Electric Company IF-300 shipping cask could not be used due to structural considerations.

By letter dated January 22, 1976, NSP resubmitted their analyses based upon the use of a smaller (25 ton) NFS-4 2-element cask. Their evaluation includes:

1. Reactor Building Structural Capability
2. Cask Handling Systems Design Integrity
3. Protection of Spent Fuel and Vital Systems
4. Administrative Control of Cask Handling Operations

REQUESTED ACTION: Review the enclosure in detail, with special emphasis given to verification of the safety factors derived therein, assuring conservative assumptions have been made in each case. Provide your evaluation of the acceptability of using the NFS-4 2-element cask at Monticello, over the proposed restricted cask movement path, bearing in mind the statement of the licensee, in Enclosure 1, that: "The crane system is not designed to be single failure proof and may be subjected to either single random mechanical or control system failures."

Should the proposal be deemed unacceptable, it is requested that questions or comments be provided as soon as possible. NSP plans to ship fuel in late spring or early summer of 1976.

Original signed by

Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Enclosure:
NSP letter dtd. 1/22/76

cc:
V. Stello
L. C. Shao
A. Schwencer
K. R. Goller
T. J. Carter
R. P. Snaider
R. M. Diggs

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