Docket File
DCS MS-016

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50-282
50-306

MEMORANDUM FOR: Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

FROM: Dominic C. DiIanni, Project Manager
Operating Reactors Branch #3
Division of Licensing

SUBJECT: FORTHCOMING MEETING WITH NORTHERN STATES POWER COMPANY AND WESTINGHOUSE (FUEL ASSEMBLY FAILURE AT PRAIRIE ISLAND'S SPENT FUEL POOL)

Time & Date: 1:00PM, Wednesday
February 23, 1983

Location: Bethesda, Maryland
Phillips Building
Room P-118

Purpose: To review the failure mechanism of the fuel assembly failure that occurred during handling in the spent fuel pool at the Prairie Island Nuclear Generating Plant. The agenda for the meeting is attached.

Requested Participants:

NRC	NSP	Westinghouse
R. Clark		
W. Hazelton	S. Fehn	W. Smalley
D. DiIanni	D. Gauger	E. Roberts
P. Wu	M. Klee	M. Rootham
J. Collins		L. Stern
M. Tokar		D. Goodspeed
D. Pickett		M. Beaumont
E. Brown		G. Arlotti
V. Benaroya		B. Meyer
A. Turovlin		
C. McCracken		

Original signed by

Dominic C. DiIanni, Project Manager
Operating Reactors Branch #3
Division of Licensing

cc: See next page

OFFICE	ORB#3:DL						
SURNAME	DCDiIanni/pn						
DATE	2/7 /83						

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T. Ippolito, ORAB
H. Denton
B. Grimes
Project Manager
OELD
I&E
Receptionist
ACRS-10
Resident Inspector
Regional Administrator
M. Schaaf
NRC Participants

ATTACHMENT

PROPOSED SUBJECTS OF DISCUSSION FOR THE NRC-LICENSEE-FUEL VENDOR MEETING ON PRAIRIE ISLAND SPENT FUEL FAILURE

1. Background and history of the Failure Incident.

2. Materials and Fabrication History of the fuel assembly especially the Stainless Steel Sleeve and the zircaloy guide thimble.

   a. Fabrication Process
   b. Heat Treatment
   c. Welding process and post-weld heat treatment
   d. Quality Assurance
   e. Leak test etc.

3. Operating History particularly primary coolant chemistry records during the period while the degraded fuel assembly was inside the reactor.

4. Storage Condition including the spent fuel pool chemistry control history.

5. Failure Analysis.

   a. Description of the failure, including conditions just prior to equipment failure.
   b. Mode of Failure
   c. Cause(s) of Failure
   d. Test(s) to substantiate failure mode

6. Recommended corrective action(s) to prevent reoccurrence of the failure.

   a. Possible design changes eliminating the high residual stress area.