

SEP 24 1975

Docket No. ,50-220

LICENSEE: NIAGARA MOHAWK POWER CORPORATION

FACILITY: NINE MILE POINT UNIT 1

SUMMARY OF MEETING HELD ON SEPTEMBER 19, 1975 TO DISCUSS PROPOSED MODIFICATION TO THE REACTOR BUILDING CRANE

On September 19, 1975, representatives of Niagara Mohawk Power Corporation (NMPC) met with the NRC staff to discuss the proposed modification of the Nine Mile Point Unit 1 (NMP-1) reactor building crane. A list of attendees is enclosed.

NMPC stated that the purpose of the proposed modification is to prevent load drop on the reactor building floor. The major loads which are involved are: (1) the reactor vessel head, (2) the reactor shielding blocks, and (3) the spent fuel cask. The modification would consist of replacing the existing crane trolley with a new trolley unit which provides a redundant rope system for the 125 ton capacity main hoist. The proposed crane system also incorporates several additional safety features such as stainless steel ropes and a water immersible load block.

It was noted that our initial review of the proposed modification resulted in a letter to NMPC, dated June 24, 1974, in which we concluded that the modification would be acceptable provided that: (1) the trolley and hoist are provided with variable speed controls, and (2) that the rope reeving system and fleet angles and sheave size conform to AISE Standard.No. 6-1969. NMPC stated its intention to submit a reply to our letter of June 24, 1974 which would include the additional information presented by NMPC at this meeting. The additional information related to the proposed modification included the following key points:

- (1) the trolley and hoist are provided with variable speed controls.
- (2) the maximum fleet angle at the design high point is 4.81°; however, the maximum fleet angle during spent fuel cask handling would be 3.5° as controlled by a limit switch.
- (3) the proposed crane has a redundant rope system as compared to the single rope system of the existing crane.

*pr* *MGM 0-4*

OFFICE						
SURNAME						
DATE						

REV. 8 778

THE UNITED STATES OF AMERICA

DEPARTMENT OF JUSTICE

OFFICE OF THE ATTORNEY GENERAL

WASHINGTON, D. C.

IN RE: [Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

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(4) The NRC staff, by letter dated August 15, 1973, had previously approved the Cask Drop Protection System which includes the existing crane system and a dash pot type hydraulic cylinder within the spent fuel cask enclosure located in the pool.

Although the rope reeving system of the proposed crane is not truly redundant and is not completely designed against single failure, John Carson of the NRC Auxiliary and Power Conversion Systems Branch stated that the proposed crane retains the safety features of the existing crane and includes some improvements. Therefore, the proposed crane would be acceptable, provided that it be used in conjunction with the existing cask drop protection system when handling a spent fuel cask.

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John Guibert  
Operating Reactors Branch #3  
Division of Reactor Licensing

Enclosure:  
Attendance List

DISTRIBUTION:

Docket  
NRC PDR  
Local PDR  
ORB-3 Reading  
NRR Reading  
JGuibert

OFFICE x7872	RL:ORB-3 <i>JG</i>	RL:ORB-3				
SURNAME	JGuibert:esp	GLear <i>GL</i>				
DATE	9/24/75	9/24/75				

The following information was obtained from the files of the  
 United States Customs Service, New York Office, dated 1/15/47.  
 The name of the vessel is "S.S. [illegible]".  
 The vessel is owned by [illegible] and is operated by [illegible].  
 The vessel is registered in [illegible] and has a gross tonnage of [illegible].  
 The vessel is currently operating under license number [illegible].  
 The vessel is currently operating under license number [illegible].  
 The vessel is currently operating under license number [illegible].

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 [illegible]

ENCLOSURE NO. 1

ATTENDANCE LIST

MEETING OF SEPTEMBER 19, 1975

REACTOR BUILDING CRANE AT NMP-1

NIAGARA MOHAWK POWER CORPORATION

E. Klein  
C. Mangan

NRC - STAFF

J. Carson  
E. Tomlinson  
W. Anderson  
J. Guibert

OFFICE						
SURNAME						
DATE						



THE  
 UNITED STATES OF AMERICA  
 DISTRICT COURT OF THE DISTRICT OF COLUMBIA  
 IN RE:

THE ESTATE OF

JOHN W. ...  
 DECEASED