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AUG 15 1973

Docket No. 50-220

Niagara Mohawk Power Corporation
ATTN: Mr. Philip D. Raymond
Vice President - Engineering
300 Erie Boulevard West
Syracuse, New York 13202

Gentlemen:

We have reviewed your proposed design of the Cask Drop Protection System to be installed in Nine Mile Point Unit 1 as described in your letters to us dated September 29, 1972, and May 31, 1973, which supersedes the proposed design described in your application submitted July 5, 1972, for a full-term operating license. We have concluded from our review that this proposed Cask Drop Protection System is acceptable for installation at Nine Mile Point Unit 1 and provides reasonable protection against loss of integrity of the fuel pool and against damage to stored spent fuel in the event a fuel cask is dropped in the pool.

The Redundant Hoisting System and Crane Movement Controls proposed by your letter of July 26, 1973, to be installed in Nine Mile Point Unit 1 was not considered in our review discussed above. This proposal will be reviewed at a later date.

Sincerely,

Original Signed by
D. J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

cc: Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby & MacRae
1821 Jefferson Place, N. W.
Washington, D. C. 20036

J. Bruce MacDonald, Esquire
Deputy Commissioner and Counsel
New York State Department of
Commerce and Counsel to the
Atomic Energy Council
99 Washington Avenue
Albany, New York 12210

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Dr. William Seymour, Staff
Coordinator (w/incoming of
9/29/72, 5/31/73 & 7/26/73)
N. Y. Atomic Energy Council
N. Y. Department of Commerce
112 State Street
Albany, New York 12207

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SURNAME ▶			CJDeBevec:dc	RMDiggs	DLZiemann	DJSkovholt
DATE ▶			8/14/73	8/14/73	8/14/73	8/15/73

Form AEC-318 (Rev. 9-53) AECM 0240 GPO 643-16-81465-1 445-678

OCT 19 1973

Docket No. 50-220

Niagara Mohawk Power Corporation
ATTN: Mr. Philip D. Raymond
Vice President - Engineering
300 Erie Boulevard West
Syracuse, New York 13202

Gentlemen:

The Regulatory staff has had the subject of anticipated transients without scram (ATWS) in water-cooled reactor power plants under study for some time.

The staff has completed its review of ATWS and has concluded that measures should be taken to improve nuclear plant designs in this regard. Details of the staff review and conclusions and of the steps that should be taken to deal with ATWS are given in the staff "Technical Report on Anticipated Transients Without Scram for Water-Cooled Power Reactors", September 1973, a copy of which is enclosed for your information.

You have included an analysis of the capability of Nine Mile Point Unit I to accommodate an ATWS event in your application for conversion of Provisional Operating License No. DPR-17 to a full-term operating license. This analysis concluded that the trip of the recirculation pumps combined with liquid poison injection would effectively augment the present reactor safety system design. In a letter to you dated September 28, 1973, regarding additional information on the full-term license review, we requested that you propose appropriate technical specifications to reflect the requirement of tripping the recirculation pumps whenever reactor pressure is equal to or greater than 1150 psia.

OCT 19 1973

This approach may be considered to be an acceptable measure for your facility in reference to the provisions set forth in Section II-C of Appendix A to the staff report on ATWS. In addition, you are requested to review your analysis and conclusions against the staff position described in the enclosed report and confirm that your proposal is consistent with the staff position. Please provide this confirmation by December 1, 1973.

Sincerely,

/s/ Roger Boyd

for A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Enclosure:
Technical Report on Anticipated Transients Without Scram for Water-Cooled Power Reactors

cc w/enclosure:
J. Bruce MacDonald, Esquire
Deputy Commissioner and Counsel
New York State Department of Commerce
and Counsel to the Atomic Energy Council
99 Washington Avenue
Albany, New York 12210

Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby & MacRae

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Staff Coordinator
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112 State Street
Albany, New York 12207

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