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SEP 1 0 1975

Docket No. 50-220

Niagara Mohawk Power Corporation
 ATTN: Mr. Gerald K. Rhode
 Vice President - Engineering
 300 Erie Boulevard West
 Syracuse, New York 13202

Gentlemen:

We have reviewed the information submitted by your letters dated June 10, 1975 and August 8, 1975, regarding your proposed modifications to the Nine Mile Point, Unit 1, spent fuel pool storage facility. Based on our review of your submittals, we conclude that this proposed modification may involve an unreviewed safety question.

To enable us to complete our review, we request that you provide the additional information listed in the enclosure. In order for us to complete our review of your proposed modifications to the spent fuel pool storage facility, we will need your response to the enclosure by October 31, 1975.

Please contact us if you desire any clarification of the information requested.

Sincerely,

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George Lear, Chief
 Operating Reactors Branch #3
 Division of Reactor Licensing

Enclosure:
 Request for Additional Information

cc: See next page

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OFFICE	ORB#3	ORB#3				
SURNAME	JGuibert kmf	GLear 6				
DATE	9/10/75	9/10/75				



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Niagara Mohawk Power Corporation - -

cc:

Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby & MacRae
1757 N Street, N. W.
Washington, D. C. 20036

Anthony Z. Roisman, Esquire
Berlin, Roisman & Kessler
1712 N Street, N. W.
Washington, D. C. 20036

Dr. William Seymour, Staff Coordinator
New York State Atomic Energy Council
New York State Department of Commerce
112 State Street
Albany, New York 12207

Oswego City Library
120 E. Second Street
Oswego, New York 13126

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SEP 1 0 1975

Docket No. 50-220

Niagara Mohawk Power Corporation
ATTN: Mr. Gerald K. Rhode
Vice President - Engineering
300 Erie Boulevard West
Syracuse, New York 13202

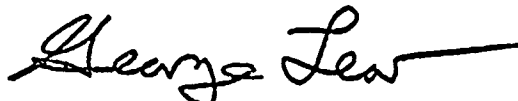
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Sincerely,



George Lear, Chief
Operating Reactors Branch #3
Division of Reactor Licensing

Enclosure:
Request for Additional Information

cc: See next page



Niagara Mohawk Power Corporation

- 2 -

SEP 1 0 1975

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ENCLOSURE
REQUEST FOR ADDITIONAL INFORMATION
NMP-1 SPENT FUEL STORAGE POOL

1. Provide an analysis of the accident which would occur if a new spent fuel storage rack were dropped onto existing storage racks containing spent fuel bundles during the proposed installation of new fuel racks in the spent fuel storage pool. Describe the precautions (procedural and/or mechanical) which would prevent the occurrence of such an accident.
2. Provide a description of the seismic design and capability to withstand seismic events for the spent fuel pool cooling system and components. Include the related systems which lead to the ultimate heat sink.
3. Provide an analysis of the potential for a single failure to reduce or invalidate the effectiveness of the spent fuel cooling system. Include related systems.
4. Provide analyses which show that the total heat load of the spent fuel can be dissipated by the pool cooling system for (1) design conditions, and (2) loss of one cooling train. Assume that all fuel storage spaces are occupied and show that a conservative assumption of fuel heat load is used in the calculations.
5. Provide an analysis of the loss of all normal spent fuel pool cooling with the pool fully loaded with spent fuel. Show that a conservative assumption of fuel heat load is used in the calculations. List alternate means of cooling, state the times needed to activate the alternate cooling systems, describe their heat removal capability, and show that the alternate cooling systems would adequately cool the spent fuel.

