

Docket No. 50-220

APR 18 1973

Haflich, OGC  
RVoller, L:QA  
DLZiemann, L:ORB2  
CJDeBevec, L:ORB2.  
NDube, L:OPS  
MJinks, DRA (4)  
RMDiggs, L:ORB2  
SKari, L:RP

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✓ Docket File  
AEC PDR  
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Branch Reading  
JRBuchanan, ORNL  
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VMoore, L:BWR  
DJSkovholt, L:OR  
TJCarter, L:OR  
RLTedesco, L:CS  
ACRS (16)  
RO (3)  
BBordenick, OGC  
Change No. 7  
License No. DPR-17

Niagara Mohawk Power Corporation  
ATTN: R. R. Schneider  
Vice President Operations  
300 Erie Boulevard West  
Syracuse, New York 13202

Gentlemen:

Your letter dated April 4, 1973, requested a temporary change of Sections 3.1.4(e) and 3.3.7(e) of the Technical Specifications of Provisional Operating License No. DPR-17 for Nine Mile Point (NMP) Nuclear Station Unit 1. This change would permit draining of the torus for maintenance purposes while control rod drive removal and Local Power Range Monitor (LPRM) replacement were being performed. This change is similar to Change No. 5 (Docket No. 50-220) dated April 14, 1972.

Technical Specifications 3.1.4(e) and 3.3.7(e) relating to the core spray system and containment spray system, respectively, specify that if these systems become inoperable the reactor shall be in the cold shutdown condition within ten hours and no work shall be performed on the reactor which could result in lowering the reactor vessel water level to more than seven feet eleven inches below minimum normal level. A failure of the control rod backseat seal during removal of the drive mechanism or a malfunction during the replacement of an LPRM string could result in lowering of the reactor vessel water level. To minimize the probability of such an unlikely event occurring, you set forth conditions and requirements in your request dated April 4, 1973, that will be implemented during the work; these conditions and requirements are the same as those imposed during the previous work (Change No. 5 dated April 14, 1972) and which we had concluded were adequate as documented in our Memorandum to Files, "Proposed Change No. 5 to DPR-17 (Nine Mile Point - Unit 1)", dated April 14, 1972.

The torus draining is for the purpose of removing all of the baffles within the torus and installing "rams heads" on the existing relief valve discharge piping. The removal of baffles and installation of "rams head" piping are modifications previously evaluated, approved, and implemented in other operating BWRs, including Monticello and the Quad-Cities facilities which are similar to NMP Unit 1 in this regard:

OFFICE

regard:

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We have reviewed the information provided in your letter dated April 6, 1973, and determined that the proposed removal of all baffles and the installation of "rams heads" discharge piping are acceptable. We also have concluded that adequate provisions are taken to protect against draining of the reactor vessel while the torus is drained and that the proposed actions do not present significant hazards considerations not described or implicit in the Final Safety Analysis Report. There is reasonable assurance that the health and safety of the public will not be endangered.

Accordingly, you are hereby granted an exemption from the requirements of Sections 3.1.4(e) and 3.3.7(e) of the Technical Specifications to perform the concurrent maintenance work in accordance with the provision of your letter dated April 4, 1973, and to perform the modifications as described in your letter dated April 6, 1973. This exemption shall terminate upon completion of the spring 1973 refueling outage.

Sincerely,

Original Signed by  
D. J. Skovholt

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

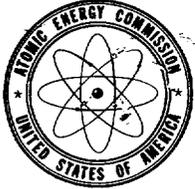
cc: Arvin E. Upton, Esquire  
LeBoeuf, Lamb, Leiby & MacRae  
1821 Jefferson Place, N. W.  
Washington, D. C. 20036

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

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

cc w/cy of NMP's ltrs dtd  
4/4/73 & 4/6/74  
Dr. William Seymour  
Staff Coordinator  
New York State Atomic Energy Council  
New York State Department of Commerce  
112 State Street  
Albany, New York 12207

OFFICE ▶	L:ORB #2 X7403	L:ORB #2	L:ORB #2	L:OR	
SURNAME ▶	CJDeBeve:sjh	RMDiggs	DLZiemann	DJSkovholt	
DATE ▶	4/17/73	4/17/73	4/18/73	4/18/73	Zica C.P.



UNITED STATES  
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

APR 18 1973

Files (Docket No. 50-220)

THRU: *D. P. Ziemann* Chief, ORB #2, L

PROPOSED CHANGE NO. 7 TO LICENSE NO. DPR-17 FOR NINE MILE POINT-1  
(NIAGARA MOHAWK POWER CORPORATION)

By letter dated April 4, 1973, Niagara Mohawk requested a temporary change of Technical Specifications to permit draining the torus during control rod drive and LPRM maintenance. By letter dated April 6, 1973, Niagara Mohawk described the facility modifications consisting of torus baffle removal and installation of "rams heads" on the existing relief valve discharge piping that require draining of the torus.

The temporary change to Sections 3.1.4(e) and 3.3.7(e) of the Technical Specifications is the same as was previously authorized by Change No. 5 dated April 14, 1972. The conclusions from the previous evaluation remain valid and are as follows. Based on consideration of the limited interval of time involved in the concurrent maintenance tasks, the procedural controls to minimize the potential and duration of leakage from a control rod drive housing or LPRM penetration, and the available coolant makeup, we have concluded that adequate provisions are taken to protect against draining of the reactor vessel while the torus is drained. Therefore, we have concluded that the proposed temporary change of Technical Specifications 3.1.4(e) and 3.3.7(e) does not present significant hazards considerations not described or implicit in the Safety Analysis Report and that there is reasonable assurance that the health and safety of the public will not be endangered.

The proposed facility modifications consisting of complete removal of the torus baffles and installation of "rams heads" on the existing relief valve discharge piping are the same as has been done at other operating BWR facilities, including Monticello and Quad-Cities. At Nine Mile Point Unit 1 six of the original thirty baffles have been removed previously and additional structural bracing was installed for support of the relief valve discharge piping located in the vent distribution header. The removal of all baffles in the torus and installation of "rams heads" is recommended by General Electric Company, designers of the containment system. We have reviewed the information provided by Niagara Mohawk as well as the background information for

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the Monticello and Quad-Cities facilities in this regard. We have determined that the proposed complete removal of torus baffles and the installation of "rams heads" on the existing relief valve discharge piping is consistent with the corrective maintenance accomplished at these other facilities and is acceptable also for Nine Mile Point Unit 1. Therefore, we have concluded that these proposed modifications do not present significant hazards considerations not described or implicit in the Safety Analysis Report and that there is reasonable assurance that the health and safety of the public will not be endangered.

  
C. J. DeBevec  
Operating Reactors Branch #2  
Directorate of Licensing

cc: Niagara Mohawk Power Corporation  
AEC PDR  
Local PDR  
RP Reading  
Branch Reading  
JRBuchanan, ORNL  
TWLaughlin, DTIE  
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VMoore, L:BWR  
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