D- 3/9/78

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DOCDATE: 03/02/78
DATE RCVD: 03/06/78

DOCTYPE: LETTER NOTARIZED: NO

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SUBJECT:
FURNISHING INFO CONCERNING AUTOMATIC FEEDWATER PUMP TRIP ON HIGH REACTOR VESSEL WATER LEVEL IN REPSONSE TO NRC LTR DTD 02/01/78.

PLANT NAME: NINE MILE PT - UNIT 1

REVIEWER INITIAL: XEF
DISTRIBUTOR INITIAL:

********** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS **********

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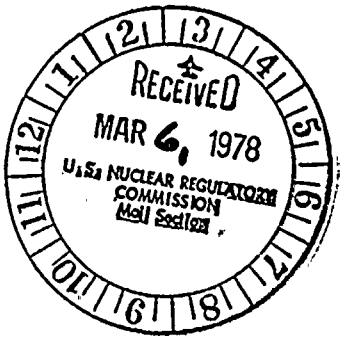
9

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

March 2, 1978



Director of Nuclear Reactor Regulation
Attn: Mr. George Lear, Chief
Operating Reactors Branch #3
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Re: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Gentlemen:

Your letter of February 1, 1978 requested information as to whether or not we plan to install an automatic feedwater pump trip on high reactor vessel water level. At Nine Mile Point Unit 1 there are no safety or safety/relief valves located on the main steam lines which could be damaged by high water level conditions. Safety valves are located on the reactor vessel head; therefore, this safety function is maintained. Relief valves are located on the main steam lines. The discharge from these valves is routed directly to the suppression pool. Thus, no damage would result to any equipment located inside of the primary containment should these valves actuate during a high water level condition.

The feedwater system consists of three (3) strings. One (1) string utilizes a shaft-driven pump off the turbine whereas the other two (2) strings utilize motor-driven pumps.

The motor-driven pumps are also used in the high pressure coolant injection mode. A high reactor vessel level trip of the motor-driven feedwater pumps would disable this function.

For operational reasons, it may be advantageous to trip the shaft-driven pump on high water level to reduce the possibility of damage to the relief valves on the main steam lines. We are currently investigating methods to implement this trip. We will notify you by April 15, 1978 as to the feasiblity of installing such a trip on the shaft-driven pump.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

780650169

Gerald K. Rhode, Vice President
System Project Management

A001/S *
1/0

MGM/szd