

March 24, 1988

Docket No. 50-410

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Mr. Charles V. Mangan
Senior Vice President
Niagara Mohawk Power Corporation
301 Plainfield Road
Syracuse, New York 13212

Dear Mr. Mangan:

SUBJECT: SAFETY EVALUATION REPORT ON NINE MILE POINT UNIT 2 COMPLIANCE
WITH ATWS RULE 10 CFR 50.62 RELATING TO ALTERNATE ROD INJECTION (ARI)
AND REACTOR PROTECTION TRIP (RPT) SYSTEMS (TAC 66573)

The ATWS Rule (10 CFR 50.62, "Requirements for Reduction of Risk from Anticipated Transients Without Scram (ATWS) Events for Light-Water-Cooled Nuclear Power Plants") requires improvements in the design and operation of commercial nuclear power facilities to reduce the likelihood of failure to shutdown the reactor following anticipated transients, and to mitigate the consequences of an ATWS event. The requirements for a boiling water reactor are to install an alternate rod injection (ARI) system, a standby liquid control system (SLCS) and to trip the reactor coolant recirculating pumps automatically under conditions indicative of an ATWS.

Niagara Mohawk Power Corporation provided information on compliance with the ATWS rule for Nine Mile Point Unit 2 in the FSAR and in letters dated May 2, 1986 and April 3, 1987. In Supplements 2 and 4 of the Nine Mile Point Unit 2 Safety Evaluation Reports the staff approved the modifications made to the plant, as discussed in the referenced submittals, to comply with the ATWS rule with the exception of the instrumentation logic.

The staff has completed its evaluation of the instrumentation logic (the ARI system and the ATWS/RPT system) and found it acceptable for Nine Mile Point Unit 2. The basis for our acceptance is discussed in the enclosed Safety Evaluation. This completes the staff's review of the design modifications at Nine Mile Point Unit 2 to comply with the ATWS rule. The staff will provide guidance on the technical specification requirements for the ARI system in a separate document.

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P PDR

THE
FEDERAL
BUREAU OF
INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE
WASHINGTON, D. C. 20535

MEMORANDUM FOR THE DIRECTOR

SUBJECT: [Illegible]

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- 2 -

Any questions concerning the enclosed evaluation should be directed to the Project Manager, Mary Haughey (301/492-1439).

Sincerely,

Mary F. Haughey, Project Manager
Project Directorate I-1
Division of Reactor Projects, I/II

Enclosure:
As stated

cc: See next page

PDI-1
CVogan *W*
3/22/88

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Mr. C. V. Mangan
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station
Unit 2

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