

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8608260069 DDC DATE: 86/08/20 NOTARIZED: YES DOCKET #
 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH. NAME AUTHOR AFFILIATION
 MANGAN, C. V. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Deficiency rept re closing actuator sys of MSIVs, potentially resulting in MSIV inoperability per Tech Specs & GDC 54 & 55. Cause undetermined. Revised latching sys & different matl & installation tolerances under consideration.

DISTRIBUTION CODE: IE27L COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3
 TITLE: Construction Deficiency Rept (50 DKT)-Part 50.55(e)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	BWR PD3 LA 06	1 1	BWR PD3 PD 05	1 1
	HAUGHEY, M 07	1 1		
INTERNAL:	ACRS 16	10 10	ACRS WYLIE	1 1
	AEOD/PTB	1 1	EDD 19	1 1
	ELD/HDS3 21	1 1	WATER LEAK	1 1
	IE/DGAVT/VPB	1 1	NRR/DSRO/EIB	1 1
	NRR/ORAS	1 1	RM/DDAMI/MIB 20	1 1
EXTERNAL:	LPDR 03	1 1	NRC PDR 02	1 1
	NSIC SILVER 08	1 1		

original to Reg. File

000000

000000

000000

000000

000000

000000

000000

RECEIVED

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

000000

August 20, 1986
(NMP2L 0828)

Ms. Elinor G. Adensam, Director
BWR Project Directorate No. 3
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Washington, DC 20555

Dear Ms. Adensam:

Re: Nine Mile Point Unit 2
Docket No. 50-410

Recent testing of the main steam isolation valves has disclosed two problems:

- 1) The mechanical actuator which closes the valve did not function properly. Two types of problems were encountered: a) the actuator system operated slowly, so that the valve did not close within the time (5 seconds) called for in the Technical Specifications; Sections 3/4.4.7 and 3.4.6.3; and b) on occasion, the actuator did not operate sufficiently to permit the valve to move from its open position.
- 2) A crack was discovered in a latching roller bearing, a component of the valve actuator. This is similar to a problem that was previously reported to the Nuclear Regulatory Commission under 10CFR50.55(e) (in NMPC letter number 7600, December 9, 1983, C. V. Mangan to R. W. Starostecki).

We wish to emphasize that the problems are with the unlatching of the valve actuator and not with the function of the valve itself; the valve ball moves freely and closes properly. The valve vendor, who also supplied the valve actuator, is aware of the problems and is working with Niagara Mohawk Power Corporation and Stone and Webster Engineering Corporation to remedy the situation. A revised latching system is under consideration for the first problem, and a different material and installation tolerances are being considered for the latching roller bearing. Preliminary analyses indicate, however, that the prescribed 5 second closing time is more restrictive than required from the standpoint of transient analyses, emergency core cooling system analyses, and radiological releases. It is possible, therefore, that our solution may include an increase in the allowable closing time. These two problems are considered as open items on the Main Steam system preoperational tests and are being followed on the Master Tracking System. The details on the resolution of these problems will be included in our final report on the problem in accordance with the requirements of 10CFR50.55(e).

8608260069 860820
PDR ADOCK 05000410
S PDR

ORIGINAL TO REG. FILE

IE27
1/1

[The text in this block is extremely faint and illegible due to low contrast and noise. It appears to be a multi-paragraph document with several lines of text per paragraph.]

Ms. Elinor G. Adensam, Director
Page 2

We are bringing this situation to your attention because the problems, unless corrected, would result in the Main Steam Isolation valves not being operable, in the context of the Technical Specification and the requirements of 10CFR50, Appendix A, General Design Criteria 54 and 55.

We do not believe that these problems should interfere with your licensing review and decision process. The position of the valves, i.e., whether they are open or closed, is immaterial during operation in modes 4 and 5. Operation in mode 2, during low power physics tests is permitted by the Technical Specifications provided that one isolation valve in each steam line is deactivated in the closed position. We will keep at least one isolation valve in each line closed at all times until preoperational testing is complete, in order to ensure that the plant conforms to the conditions described in our schedular exemption requests which were submitted in our letters dated May 7, 1986 and June 13, 1986.

We are proceeding expeditiously to solve the problems relating to the closing actuator system of the main steam isolation valves. Furthermore, operation through fuel loading and low power physics tests could proceed during the time the problem is being resolved. Such operation would be within Technical Specification requirements. We will continue to keep you informed as to our progress and the resolution of the matter.

If any further information is needed for the regulatory acceptance of this matter, please let me know.

Very truly yours,

C. V. Mangan
C. V. Mangan
Senior Vice President

NLR/CVM:ar
1950G

xc: W. A. Cook, NRC Resident Inspector
Project File (2)



22

22

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)

Niagara Mohawk Power Corporation)

Docket No. 50-410

(Nine Mile Point Unit 2))

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Senior Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C. Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 20th day of August, 1986.

Christine Austin
Notary Public in and for
Onondaga County, New York

My Commission expires:

CHRISTINE AUSTIN
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4787687
My Commission Expires March 30, 1987

11-11-67

CHRISTINE RUSTIN
Hotel Rite in the State of New York
Qualified in Queens Co. No. 4181681
NY Commission Expires March 30, 1972