Jan 188 REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8611030003 DOC. DATE: 86/07/31 NOTARIZED: NO 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
STAROSTECKI, R. Region 1, Office of Director

SUBJECT: Final deficiency rept re problem w/svc water sys two pump trip analysis. Initially reported on 860701. W/o encl.

DISTRIBUTION CODE: IE27L COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 1
TITLE: Construction Deficiency Rept (50 DKT)-Part 50.55(e)

NOTES:

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES 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	EDO	19	1	1
	ELD/HDS3	21	1	1	IE/DEPER/EAB	01	1	1
	IE/DOAVT/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				

~~Call NMP — get encl!~~

Glenn Meyer (Bgl) FTS 488 1183.
1600, 12/3, w:

will fax report.

EGCB
Is this generic?
IN needed? 12/3 (KPW)

TOTAL NUMBER OF COPIES REQUIRED: LTTR 25 ENCL ~~25~~ 0

CDR 86-00-13

NIAGARA MOHAWK

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

July 31, 1986
(NMP2L 0803)

Mr. R. W. Starostecki, Director
U.S. Nuclear Regulatory Commission
Region I
Division of Reactor Projects
631 Park Avenue
King of Prussia, PA 19406

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

Dear Mr. Starostecki:

Enclosed is a final report, in accordance with 10CFR50.55(e), for the problem concerning Service Water System, two pump trip analysis. This problem was reported via tel-con to G. Meyer of your staff on July 1, 1986.

Very truly yours,

C. V. Mangan
Senior Vice President

CVM/GG/cla
(1700H)

xc: Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

W. A. Cook, NRC Senior Resident Inspector
NMPC Project File

8611030003 860731
PDR ADOCK 05000410
S PDR

IE:27

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT - UNIT 2
DOCKET NO. 50-410

Final Report for a Problem
Concerning Service Water System
Two-Pump Trip Analysis (55(e)-86-13)

Description of the Problem

Recent transient analysis for two-pump trip in the Service Water System indicates higher loads than previously addressed in the current design. These higher loads occur at various locations in the service water system.

The higher loads were discovered during the evaluation of a proposed design modification. A review of the results of a two-pump trip and pump restart analysis indicate loads which are higher than the design basis pump trip of four service water pumps and two-pump restart.

Analysis of Safety Implications

The loads resulting from the two-pump trip transient exceed the design loads for the service water pump piping and components and therefore could result in a failure of the service water pump to function as designed. The service water pump provides cooling water to safety-related components. Therefore, had this condition remained uncorrected, it could have adversely affected the safety of operations of the plant.

Corrective Action

The following corrective actions will be implemented:

1. The control logic for valves 2SWP*MOV50A and 2SWP*MOV50B, which are located in the cross-connection piping between Division I and Division II service water subsystems, will be revised such that the valves remain open during a two-pump trip in either service water system division (Reference Engineering Change Notice SWP-618 and Engineering and Design Coordination Report No. M40018).

2. The service water pump restart, for the loss of offsite power event, will be revised back to 32 seconds following the start of the emergency diesel generator.

Corrections will be completed prior to fuel load.