



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

March 3, 1986
(NMP2L 0647)

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 the qualification of containment purge system (CPS) isolation valves for seismic and hydrodynamic loadings. This problem was reported via tel-con to S. Collins of your staff on September 19, 1984, and an interim report was submitted on October 19, 1984.

Very truly yours,

C. V. Mangan
Senior Vice President

CVM/GG/cia
(1478H)

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

R. A. Gramm, NRC Senior Resident Inspector
NMPC Project File

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

Final Report for a Problem
Concerning Containment Purge System Isolation Valves - Seismic Loading
(55(e)-84-40)

Description of the Problem

The problem pertains to containment purge system isolation valves. An analysis of this system indicates that the calculated accelerations which these valves may encounter when subjected to dynamic loads could exceed those specified in the purchase specifications.

Analysis of Safety Implications

The calculated valve accelerations are obtained from the initial pipe stress analysis. This initial analysis is subject to verification to reflect as-built configurations. As a result of this verification, the loadings for the subject valves were found to be higher than the generic loads used as a criteria for the original specification. In the case of valves 2CPS*AOV 104, 105, 110 and 111, the new loadings will be incorporated into the specifications, and additional supports will be added.

It is recognized that design changes and field modifications can result in as-built conditions significantly different than the initial design. Project Procedure 93 ("Category I Pipe Stress and Supports Final Reconciliation") requires reconciliation of the design loadings to the final loadings resulting from the as-built analysis.

Since conditions of this type are expected to occur and a method of identifying and correcting these conditions is provided, we feel no design or construction deficiency exist.