



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

January 28, 1985
(NMP2L 0329)

Mr. R. W. Starostecki, Director
U. S. Nuclear Regulatory Commission
Region I
Division of Project and Resident Programs
631 Park Avenue
King of Prussia, PA 19406

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

Dear Mr. Starostecki:

Enclosed is an interim report, in accordance with 10CFR50.55(e), for the problem concerning a check valve in the low pressure core spray system. This problem was reported via tel-con to R. Barkley of your staff on December 27, 1984.

Very truly yours,

C. V. Mangan
Vice President
Nuclear Engineering and Licensing

CVM/GG:csb
(0696H)

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

R. A. Gramm, NRC Resident Inspector
Project File (2)

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

Interim Report for a Problem
Concerning a Check Valve in the
Low Pressure Core Spray System
(55(e)-84-56)

Description of the Problem

A review of the design pressure rating for the portion of the low pressure core spray system which includes the test return and minimum flow lines identified a potential overpressure condition on check valve 2CSL*V9 installed in this line. The design pressure for the check valve was specified as 180 psig. The pressure in the valve may increase to 525 psig when the discharge line to the suppression pool, located in the residual heat removal system, is isolated and the low pressure core spray system is in the minimum flow or test mode causing the pump to run at shutoff head. The valve performs a safety function by opening and providing a minimum flow bypass path for the low pressure core spray system pump. The valve also is intended to retain pressure integrity during the minimum flow bypass modes of the residual heat removal system, the low pressure core spray system and during the suppression pool cooling mode of the residual heat removal system. The matter is still under investigation, and a final report will be submitted by May 20, 1985.