



NINE MILE POINT—UNIT 2/P.O. BOX 63, LYCOMING, NY 13093/TELEPHONE (315) 343-2110

February 22, 1985
(NMP2L 0346)

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 a final report in accordance with 10CFR50.55(e) for the problem concerning the high pressure core spray system battery terminations. This problem was reported via tel-con to S. Collins of your staff on October 22, 1984. An interim report was submitted via our letter dated November 21, 1984.

Very truly yours,

C. V. Mangan
Vice President
Nuclear Engineering and Licensing

CVM/GG:cla
(0757H)

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

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

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

Final Report for a Problem
Concerning the High Pressure Cool Spray System
(55(e)-84-47)

Description of the Problem

The problem concerns the effect of the termination cables on the seismic qualification of the Class 1E high pressure core spray system battery, Mark No. 2BYS*BAT2C, supplied by General Electric. One 750 mcm external cable per pole was used. This condition was identified during Nuclear Regulatory Commission's Inspection No. 50-410/84-11. IEEE 344-1975 also states that the effect of electrical connections, conduit, sensing lines, etc., shall be considered.

In addition, subsequent to the identification of the above condition, it was observed that three battery cell connection posts were damaged. The damage is believed to have occurred due to the turning of the post as a result of the stress caused by the 750 mcm cable.

Analysis of Safety Implications

The effect of the subject condition on the performance of the battery was not evaluated because the corrective actions outlined below are being taken. However, a possibility existed that the condition could have prevented the battery from performing its design function. As a result, the safety of operations of the plant could have been adversely affected.

Corrective Actions

1. The design was changed by Engineering and Design Coordination Report No. F41,663 and No. F41,663A to replace one 750 mcm cable termination per pole with one No. 2 AWG cable.
2. The cells, having damaged terminal posts, will be replaced with new cells in accordance with Nonconformance and Disposition Report No. 8196.