



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

December 9, 1983
(7800)

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 regarding failure of main steam isolation valve actuators during qualification testing. This problem was reported via telecon to W. Borchardt, of your staff, on November 9, 1983.

Very truly yours,

C. V. Mangan
Vice President

Nuclear Engineering & Licensing

CVM/TL:ja
Enclosure

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

Mr. R. Gramm, Resident Inspector

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

Final Report for Problem
Concerning Failure of
MSIV Actuator During
Qualification Testing

Description of the Problem

The problem concerns the actuators of main steam isolation valves (MSIV) supplied by Bonney Forge Engineered Valve (BFEV), a division of Gulf + Western Manufacturing Company. The vendor is currently attempting to qualify these actuators to IEEE-323 requirements.

During the dynamic testing of the actuator, 19 of 20 required emergency trips of the actuator were successful. The actuator failed to close on the last attempt. An additional attempt also failed to trip the actuator. In both cases, the latching roller was found to be cracked. Additional interrelated damage (e.g., loose bolts, misaligned parts) was observed.

Analysis of Safety Implications

The purchase specification requires that the actuators conform to IEEE-323 requirements; however, the vendor has not made any guarantees to Niagara Mohawk that the actuators currently would meet the IEEE requirements. The qualification program/testing could indicate modifications which would have to be made. Therefore, it is Niagara Mohawk's opinion that the qualification tests performed by the vendor are part of its design development phase and that a reportable deficiency does not exist; however, since this is a critical application of a new technology, Niagara Mohawk plans to keep the NRC informed of significant developments regarding the design and testing of these actuators.