



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

September 1, 1983
(7334)

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:

Your Inspection Report No. 50-410/83-08 dated July 25, 1983, identified an apparent violation resulting from an inspection conducted at the Nine Mile Point - Unit 2 construction site. Niagara Mohawk's response is enclosed.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'D. P. Dise'.

D. P. Dise
Vice President
Quality Assurance

DPD/TL:ja
xc: Mr. R. Gramm, Resident Inspector

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

Response to Notice of Violation
Attached to NRC Inspection
Report No. 50-410/83-08

The apparent violation was identified as follows:

10CFR50, Appendix B, Criterion VII, requires that measures be established to assure that purchased material, equipment...conform to the procurement documents. Stone & Webster electrical specification for 600 volt and 125 volt Motor Control Centers (MCC) E015Q requires that internal wiring be securely clamped, wire terminals terminated as recommended by the manufacturer and installed using good practices and good workmanship standards.

Contrary to the above, as of June 9, 1983, the Gould Motor Control Centers (MCC) received on December 30, 1982, did not have the internal wiring of the MCC clamped in place and the cable terminations and stress levels were not in accordance with the guidance of the wire terminal manufacturer, Thomas and Betts. In addition, the wire installation did not follow good practice nor workmanship standards for class 1E safety-related equipment as required by Specification No. E015Q.

This is a Severity Level IV violation (Supplement II).

The following is submitted in response to this item of nonconformance:

The Motor Control Centers supplied by ITE Gould, the vendor, are required by Specification No. NMP2-E015Q to be of overall high quality in every respect with first class workmanship throughout. In addition, ITE Gould is required to have a quality inspection program to ensure the quality of the product is in conformance to the specification.

Upon review of the violation, Stone & Webster has identified the following deficiencies in the Motor Control Center wiring:

1. Wiring was not securely clamped;
2. Terminations were found with broken wires;
3. Wires were found with small bend radii and short lengths leading to concerns about wire stress levels.

These deficiencies have been reported for engineering evaluation and disposition on N&D 5146. N&D 5146 will be dispositioned by September 9, 1983.

The Nine Mile Point Unit 2 project has a program in compliance with 10CFR50, Appendix B Criterion VII which has measures established to assure conformance to procurement documents. This function is first the responsibility of the vendor and is checked by Stone & Webster Engineering Corporation Procurement Quality Assurance. As with any checking function, the attributes covered may not be all inclusive for each inspection. In this particular case, the inspection plan did not specifically require inspection to ensure that wires were securely clamped or that the wire terminations adhere to the specification requirements.

To prevent recurrence, the following actions have been/will be taken:

1. Stone & Webster will revise by September 9, 1983, Specification No. E015Q by an Engineering & Design Coordination Report to include the following inspection attributes:
 - a. Proper arrangement and use of clamps and ties on wire bundles to prevent movement and damage.
 - b. Visual inspection of wiring and bundles for surface damage.
 - c. Sufficient length of wire to prevent wire stress at wire/terminal lug points.
 - d. Verification of wire crimping tool for proper calibration.

The above attributes will be used by the vendor and Stone & Webster Procurement Quality Assurance (Inspection Plan No. N20E015QP0001) to assure specification compliance.