



METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

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August 6, 1973

Dr. D. F. Knuth, Director
Directorate of Regulatory Operations
United States Atomic Energy Commission
Washington, D. C. 20545

Subject: Three Mile Island Nuclear Station, Unit 1
Docket No. 50-289
Quality Control Coverage During Inspection and
Test of Protective Relay Systems and Associated
Circuits

Dear Dr. Knuth:

This communication is for the express purpose of notifying you of a condition existing at Three Mile Island, Unit 1, which may possibly be considered reportable in accordance with 10CFR50.55(e)(1)(i), "Conditions of Construction Permits." This condition relates to an apparent breakdown in the quality assurance program with regard to inspection and testing of protective electrical equipment and circuitry. Region 1 AEC/DRO principal inspector was notified on July 23, 1973.

DESCRIPTION OF INCIDENT

A recent review of the work being performed by Multi-Amp Engineering Services, in support of the Startup and Test program, revealed lack of quality control surveillance coverage in areas which we now feel should have had such coverage. Inspection, setting and testing of protective electrical equipment is conducted by Multi-Amp in accordance with procedures approved by Metropolitan Edison Relay Department.

The initial phase of work accomplished by Multi-Amp was given quality control surveillance coverage; however, on April 18, 1972, this surveillance was discontinued. This judgment was based on the logic that the setting and testing of protective electrical equipment was a functional test performed and documented in accordance with Multi-Amp procedures. In addition, the initial quality control coverage demonstrated that Multi-Amp performance was satisfactory.

During the performance of inspection and test, Multi-Amp is required to remove and reterminate wiring or replace components such as relays or circuit breaker overloads. Current assessment of the critical nature of

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work being performed by Multi-Amp in conjunction with the inspection, setting and testing of protective electrical equipment, indicates that quality control surveillance is required.

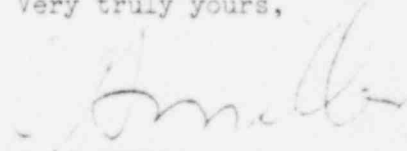
CORRECTIVE ACTION

In view of the dictates of this current assessment, quality control surveillance of Multi-Amp has been reinstituted. Multi-Amp has been instructed to notify quality control, in writing, prior to performing services on any nuclear related protective electrical equipment or circuits. In addition, the following corrective measures will be effected:

1. Quality Control personnel will inspect and verify a representative sample of that Multi-Amp work which was performed without quality control surveillance coverage.
 - (a) This will be accomplished by visual inspection and/or retest of selected components and circuits.
2. All documentation generated by Multi-Amp during the period of time that quality control surveillance coverage was not in effect will be reviewed, 100 percent, by a quality assurance engineer disciplined in the electrical field. This includes documentation currently available on site and that documentation filed with the Metropolitan Edison System Relay Department at Reading, Pennsylvania.

The results of these corrective measures will be available at the Three Mile Island site for your review.

Very truly yours,


J. G. Miller
Vice President

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CC: Mr. J. P. O'Reilly, Director - Region 1

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