

METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

November 1, 1977
GQL 1493

Mr. B. E. Grier, Director
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Sir:

Three Mile Island Nuclear Station Unit 2 (TMI-2)
License No. CPPR-66
Docket No. 50-320
Inspection Report 77-36

This letter is in response to the subject inspection report resulting from Mr. R. Paolino's inspection of September 12-14, 1977, and the finding thereof. Below is the response to the deficiency referenced in the subject inspection.

DEFICIENCY

10CFR50, Appendix B, Criterion V, states, in part, "Activities affecting quality shall be prescribed by documented instructions... and shall be accomplished in accordance with these instructions, procedures..."

The licensee's FSAR QA Program, Section 17.1.5.1, states, in part, "The Met-Ed Quality Assurance Plan... contains the requirement that activities affecting quality be documented by instructions, procedures... This requirement is implemented by the major contractor..."

Burns and Roe, Inc. Specification 2555-69A, Section 3.7.4.5, regarding Instrumentation and Control Equipment Installation states, in part, "... that compression fittings shall be installed in accordance with the manufacturer's instructions." The manufacturer's instructions for installing instrumentation tube fittings specify a 1-1/4 turn for tightening of compression fittings after establishing the starting point using a scribe mark.

Contrary to the above, as of September 13, 1977, instrumentation tubing pressure connections involving compression type connections were not installed in accordance with the manufacturer's instructions as evidenced by the lack of the referenced scribe marks and quality control documentation.

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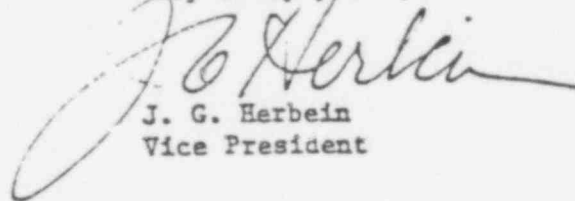
CORRECTIVE ACTION TAKEN

The compression type connections on instrumentation tubing which have already been installed are subject to hydrostatic testing by the site Startup and Test Group. Any connections which had been inadequately tightened would have resulted in leaks during the hydrostatic test and would have been subsequently tightened. Therefore, those compression type fittings which were not installed in accordance with the manufacturer's recommendation are satisfactory for their intended service.

CORRECTIVE STEPS TO BE TAKEN TO AVOID FURTHER VIOLATIONS

The contractor who had performed the work is no longer on site. The maintenance contractor who now has jurisdiction over this work has been advised of this deficiency and has been instructed to follow the manufacturer's instructions for any future installation. Final acceptance of each joint, however, will remain as a successful hydrostatic test. Site Procedures are being modified to incorporate these requirements.

Very truly yours,



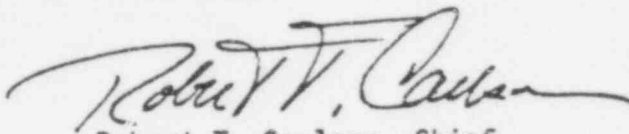
J. G. Herbein
Vice President

cc: Dr. Ernst Volgenau, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must be accompanied by an affidavit executed by the owner of the information, which identifies the document or part sought to be withheld, and which contains a statement of reasons which addresses with specificity the items which will be considered by the Commission as listed in subparagraph (b) (4) of Section 2.790. The information sought to be withheld shall be incorporated as far as possible into a separate part of the affidavit. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,



Robert T. Carlson, Chief
Reactor Construction and Engineering
Support Branch

Enclosures:

1. Appendix A, Notice of Violation
2. Office of Inspection and Enforcement
Inspection Report Number 50-320/77-36

cc w/encl:

R. L. Wayne, QA Manager, Design and Construction
T. M. Crimmins, Jr., Safety & Licensing Manager
G. P. Miller, Superintendent
R. W. Heward, Jr., Project Manager
R. C. Arnold, Vice President, Design & Construction
Gerald Charnoff, Esquire
Miss Mary V. Southard, Chairman Citizens for a Safe Environment
(Without Report)