

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-289/84-28

Docket No. 50-289

License No. DPR-50 Priority -- Category C

Licensee: GPU Nuclear Corporation

P.O. Box 480

Middletown, Pennsylvania 17057

Facility Name: Three Mile Island Nuclear Station, Unit 1

Inspection At: GPU Nuclear Corporation, Parsippany, NJ

Inspection Conducted: June 25, 1984

Inspectors: A. E. Finkel
A. E. Finkel, Lead Reactor Engineer

9/19/84
date

G. Napuda
G. Napuda, Lead Reactor Engineer

9/19/84
date

Approved by: C. J. Anderson
C. J. Anderson, Chief, Plant
System Section, EPB

9/19/84
date

Inspection Summary: Inspection Conducted on June 25, 1984 (I.E. Inspection Report No. 50-289/84-28)

Areas Inspected: Routine announced safety inspection by two region based inspectors in support of an NRC audit of the EFW system components qualification data packages. In addition to supporting the Equipment Qualification Branch (EQB) in their review of EFW qualification data packages an audit of the EQ files associated with the EFW system was performed by region inspectors. The inspection involved 22 inspector hours.

Results: No violations were identified.

DETAILS1. Persons Contacted1.1 General Public Utilities Nuclear Corporation

- *B. Alatary, Quality Assurance Engineering Manager - Corporate
- *B. Bader, Development and Audit Manager
- *D. Croneberger, Director, Engineering and Design
- *R. Harding, Licensing
- *R. Long, V.P., Nuclear Assurance
- *F. Mauz, Manager, Equipment Qualification
- *S. Pavly, Consult GPU
- *G. Sadauskas, Manager, Instrumentation
- *M. Stromberg, Manager, Audit Programs
- *J. Thorpe, Division Licensing and Reg. Affairs

1.2 U.S. Nuclear Regulatory Commission

- *R. Conte, Senior Resident Inspector
- *H. Garg, Equipment Qualification Branch
- *R. LaGrange, Equipment Qualification Branch
- *J. Van Vliet, Project Manager
- *M. Yost, EG&G

*Denotes those present at exit meeting.

2. Emergency Feedwater System Components (EFW)

2.1 The following components of the Emergency Feedwater System were reviewed by the inspector to assure that the items met the environmental qualification requirements of the EFW and that the data reflects the as installed equipment.

2.1.1 States Terminal Blocks - TER No. 110/TM No. 102

The documentation in this file provided evidence that environmental qualification has been demonstrated and all audit comments were answered.

This item is considered closed.

2.1.2 Anaconda Cable TM No. 108

The documentation in this file provided adequate evidence that the cable identified is environmentally qualified. The documentation reviewed on June 25, 1984 did not completely establish similarity between the cable installed at the site and the cable qualified. This was identified during this inspection as an unresolved item.

On August 6, 1984, the NRC reviewed the files audited on June 25, 1984, and the open item listed for the Anaconda Cable TM No. 108 was closed. The file contained a June 29, 1984, letter from the Anaconda Wire and Cable Company that established similarity between the cable qualification data package and the cable installed at Three Mile Island Unit 1.

This item is considered closed.

3. Quality Assurance Audit of Electrical Environmental Files

3.1 During the engineering evaluation of the EFW component qualification data packages, an inspection of the environmental qualification files was performed in the following areas.

3.1.1 Compliance with ANSI N45.2.9, Requirements for Collection, Storage, and Maintenance of Quality Assurance Records for Nuclear Power Plants

The inspector verified that equipment qualification files were of normal office type and in an office environment. The requirement of fire protection and access control were not being complied with. The licensee's quality assurance audits identified the same type of items identified by the NRC inspector. The licensee was in the process of preparing a procedure that would require the system to comply with the criteria of ANSI N45.2.9 as listed in the licensee's audit finding.

This item is unresolved pending NRC review of the procedure and system compliance with the criteria of ANSI N45.2.9. (84-28-01)

3.1.2 Maintenance of Equipment Qualification Data Records

The licensee's quality assurance audit of EQ files in 1981 identified deficiencies in the corporate procedures dealing with the handling and identification of what constitutes a data package. The licensee has prepared a revised corporate procedure and a series of lower tier procedures that were in the final review cycle during this inspection period. The inspector reviewed these documents and the results of this review indicated partial compliance with the criteria of the revised corporate procedure. The inspectors comments were noted by the licensee and are to be used during the licensee's review of these revised procedures.

This item is unresolved pending NRC review of the issued procedures and system compliance to the procedures. (84-28-02).

3.1.3 Audits of Equipment Qualification - Records System

The inspector verified that the licensee's quality assurance organization performed one audit of the (EQ) records system in 1981 and two assessments in 1984. Of the eleven (11) findings of the 1981 audit, 5 findings are still open. The two assessments performed in 1984 had findings where corrective action is ongoing. The inspector identified that the corrective action on the audit and assessment findings and the revision of corporate procedures (discussed in paragraph 3.1.2) that will address the subject of timeliness of corrective action on audit and assessment findings, had been ongoing for more than a year.

The timeliness of audit and assessment findings is an unresolved item which will be reviewed by the NRC when the revised corporate procedures are issued. (84-28-03)

4. Unresolved Items

4.1 Unresolved items are matters about which more information is required to ascertain whether they are acceptable items, items of noncompliance or deviations. Unresolved items disclosed during this inspection are discussed in paragraphs 3.1.1, 3.1.2 and 3.1.3.

5. Exit Interview

The inspector met with the licensee representatives denoted in Details (Paragraph 1) at the GPU Corporate Office on June 25, 1984. The inspector summarized the purpose and scope of the inspection findings and the licensee acknowledged the inspector's comments.

At no time during this inspection was written material provided to the licensee by the inspector.