



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30303

Report Nos.: 50-518/84-01 and 50-520/84-01

Licensee: Tennessee Valley Authority  
500A Chestnut Street  
Chattanooga, TN 37401

Docket Nos: 50-518 and 50-520

License Nos.: CPPR-150 and CPPR-152

Facility Name: Hartsville Nuclear Plant

Inspection at Hartsville site near Hartsville, Tennessee

Inspector: Ross Butcher for  
J. F. Schapker

4/11/84  
Date Signed

Approved by: Ross Butcher for  
F. S. Cantrell, Section Chief  
Division of Project and Resident Programs

4/11/84  
Date Signed

#### SUMMARY

Inspection on March 19-20, 1984

#### Areas Inspected

This special, unannounced inspection involved 12 inspector-hours on site in the areas of storage and maintenance of safety related equipment.

#### Results

Of the areas inspected, no violations or deviations were identified.

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## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*W. T. Quinn, Site Manager
- \*J. W. Henry, Engineering Section Supervisor
- \*J. F. O'Malley, Quality Assurance Evaluator
- J. B. Carroll, General Construction Foreman
- J. P. Jackson, Electrical Engineering Associate

Other licensee employees contacted included document control personnel, and storage and maintenance inspectors.

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized with those persons indicated in paragraph 1 above.

### 3. Licensee Action on Previous Enforcement Matters

(Closed) Unresolved Item 50-518/81-18-01 and 520/81-18-01, Revision to Procedure for Recording Periodic Maintenance for Valves.

The inspector reviewed the licensee's revised procedure (CEP 13.02, Revision 9) for clarity as to the reporting method for preventive maintenance to valves in warehouse storage. The revised procedure describes the method of preventive maintenance required of equipment including warehouse storage and provides for adequate preventive maintenance measures to assure safety related equipment is properly maintained.

### 4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve violations or deviations. New unresolved items identified during this inspection are discussed in paragraph 5a.

### 5. Inspection of Storage and Maintenance of Safety-Related Materials and Equipment

The objective of this special inspection was to determine that nuclear safety class equipment, materials and plant facilities are being maintained to ensure that their integrity upon restart of construction or transfer to other nuclear facilities.

## a. Observation of Work and Work Activities

The inspector was informed by the site manager that the safety related structures and class D storage areas are no longer maintained by the licensee. Inspections and preventive maintenance is no longer performed in these areas. This item is identified as an Unresolved Item 518/84-01-01 and 520/84-01-01; Maintenance and Inspection of Structures and Equipment During Suspension of Construction. In a subsequent telephone discussion between TVA, Region II personnel, and the responsible Nuclear Reactor Regulation Branch Chief, TVA stated that inspection would be made of these structures at least once per year and any major damage noted would be evaluated to determine when and if, repair were necessary. Further, the equipment in Class D storage is being disposed of as excess. The licensee was informed that the change in their program should be documented in a letter to NRR.

Major components and selected safety related equipment stored or installed in plant and in warehouse are being maintained in accordance with the quality assurance program. The inspector observed storage, preventive maintenance, handling and protection of safety related components in warehouse and within the plant, installed and in plant storage. The components were inspected for adequate protective cover; heaters installed and operational (where required); protection from the elements; internal preservation; fire protection and preventive maintenance.

The following safety related components were randomly selected by the inspector for verification of preventive maintenance:

<u>Component</u>	<u>Identification</u>	<u>Location</u>
6" Gate Valve Motor Operated (MO)	S/N 35751	A-1 Aux. Bldg.
18" Globe Valve MO	S/N 8-39-1	A-1 Aux. Bldg.
RHR Pump Motor	S/N 103028	A-1 Aux. Bldg.
Motor/Generator	S/N 8407994	BWN Warehouse
26" Gate Valve MO	S/N FF100C	AWX Warehouse
Standby Liquid Control Pump	S/N 80C505	AWX Warehouse
Switch Gear 6900V	S/N EMVS-02	AWG Warehouse
Iodine Noblegas Sample Panel	S/N 7907-1B	BWU Warehouse

Preventive maintenance requirements are determined by equipment manufacturer and/or by TVA (EN DES) Engineering Design, and transmitted to an alphabetical coding computer system data base which is a life-of-plant record. Computer data cards specify the applicable preventive maintenance required to the component and the frequency thereof. The preventive maintenance records for the above components were reviewed for completion of preventive maintenance within the required frequency.

b. Storage Facilities

The inspector toured Class A, B, and C storage warehouses. These were found to be well maintained. Class A warehouses are equipped for humidity and temperature control, Class B warehouses are temperature controlled and Class C provide protection from the elements. The warehouses were access controlled, clean and protected against rodents. Humidity and temperature, where required, was being maintained at acceptable ranges with temperature and humidity chart records operational.

The inspector reviewed warehouse inspection records for compliance to licensee procedure CEP 13.03, Revision 3, dated March 17, 1982, Warehouse Storage Area Inspection. Unacceptable conditions listed by the licensee inspectors had been referred to construction for correction, and reinspected after certification of completion of corrective action.

Among the areas inspected, no violations or deviations were identified.

6. Inspector Followup Item

(Closed) IFI 50-518/81-11-02, Crafts Unaware of Lifting Restriction Delin-  
eated in Procedure SOP-65.

This item was held open to verify that procedure SOP-65 was distributed to the crafts as stated. The need to make this distribution was eliminated with the decision to defer both plants A1 and A2.

(Closed) IFI 50-518, 519, 520, 521/82-01-02, Revise Preventive Maintenance and Inspection Requirements

Hartsville Plant B was cancelled and the procedure was revised to specify storage and preventive maintenance when Plant A was deferred.