



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

Report Nos. 50-280/80-03 and 50-281/80-05

Licensee: Virginia Electric and Power Company  
Richmond, Virginia 23261

Facility Name: Surry Power Station

Docket Nos. 50-280 and 50-281

License Nos. DPR-32 and DPR-37

Inspection at Surry site near Williamsburg, Virginia

Inspector: *B. R. Messitt* 2/28/80  
B. R. Messitt Date Signed

Approved by: *C. M. Upright* 2/28/80  
C. M. Upright, Acting Section Chief, RONS Branch Date Signed

SUMMARY

Inspection on February 13-15, 1980

Areas Inspected

This routine, unannounced inspection involved nineteen inspector-hours on site in the area of surveillance testing program review.

Results

Of the one area inspected, no items of noncompliance or deviations were identified.

## DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*R. Blount, Performance Engineer
- \*E. Dewandel, Staff Assistant
- \*G. Kane, Operations Supervisor
- \*M. Kansler, Supervisor, Engineering Services
- \*J. Patrick, Mechanical Supervisor
- \*T. Peebles, Superintendent, Technical Services
- \*F. Rentz, Resident QC Engineer
- \*W. Stewart, Station Manager
- \*J. Wilson, Superintendent, Operations

Other Licensee employees contacted included technicians, operators and engineers.

#### NRC Resident Inspector

- \*D. Burke

### 2. Exit Interview

The inspection scope and findings were summarized on February 15, 1980 with those persons indicated in Paragraph 1 above.

### 3. Licensee Action on Previous Inspection Findings

Not inspected.

### 4. Unresolved Items

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

### 5. Surveillance Testing Program

#### a. Review Conducted

The inspector reviewed the licensee's submitted inservice testing program for pumps and valves required by 10 CFR 50.55a (g). The

inspector also reviewed several Licensee Performance Tests (PT) that implement the pump and valve testing program including:

PT 17.3 Containment Outside Recirculation Spray Pump

PT 17.2 Containment Inside Recirculation Spray Pump

PT 18.1 Low Head Safety Injection Pump Testing and Flusing of Sensitized Stainless Steel Piping

PT 18.7 Charing Pump Operability and Performance

PT 18.8 Charging Pump Component Cooling and Service Water Pump Performance Test

PT 18.3 Accumulator Check Valve Operability Test

PT 18.3A Refueling Testing of High Head Safety Injection Check Valves to the Cold Leg

The inspector held discussions with various licensee personnel concerning the program submittal and interim implementation.

The inspector reviewed the licensee's internal "Quality Assurance Audit Report" number S79-23 which dealt with an internal audit in this area, this report was discussed with the auditing group.

The inspector also witnessed on 2/15/80 a performance of PT 17.3 for a Unit #1 Outside Recirculation Spray (RS) pump.

The above items were reviewed the verify that the implemented program for pump and valve testing met the requirements of the licensee's submitted program and that the implementing procedures met the Technical Specification (T/S) requirements for surveillance tests.

The inspector used one or more of the following acceptance criteria for evaluating the above items.

#### Technical Specifications

ASME Boiler and Pressure Vessel Code, Sect XI, Subsection IWP  
"Inservice Testing of Pumps in Nuclear Power Plants" (IWP)

ASME Boiler and Pressure Vessel Code, Sect. XI, Subsection IWP  
"Inservice Testing of Valves in Nuclear Power Plants" (IWP)

ANSI N18.7(1972) "Administrative Controls for Nuclear Power Plants" (N18.7)

b. Inadequate Procedures

During reviews of the above procedures, the inspector found that there was no provision for the measurement of bearing temperatures as required by IWP-3100 and table IWP-3100-1. Additionally the submitted program also stated these quantities would be measured.

Since this discrepancy had been previously identified by the licensee in audit report S79-23 it will remain unresolved pending NRC review of the licensee's response to the above audit report (50-280/80-03-01, 50-281/80-05-01).

c. Inservice Pump and Valve Testing Program

The licensee's submitted program for inservice pump and valve testing is still under review by NRC and has been implemented on an interim basis. During the above program review the inspector had some technical questions concerning the program. These questions were communicated to both the licensee and the appropriate NRC reviewing section for discussion and solution.