

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-281/79-36

Docket No. 50-281

License No. DPR-37 Priority - Category C

Licensee: Virginia Electric and Power Company

P. O. Box 26666

Richmond, Virginia 23261

Facility Name: Surry 2

Inspection at: Surry Site, 17 miles NW of Newport News, Virginia

Inspection conducted: April 17-20, 1979

Inspectors: W. F. Sanders

W. F. Sanders, Reactor Inspector, RI

6-14-79
date signed

Approved by: L. E. Tripp

L. E. Tripp, Chief, Engineering Support Section
No. 1, RC&ES Branch, RO:IE I

6/15/79
date signed

A. R. Herdt

A. R. Herdt, Chief, Projects Section
RC&ES Branch, RO:IE 2

6/20/79
date signed

Inspection Summary:

Inspection on April 17-20, 1979 (Report No. 50-281/79-36)

Areas Inspected: Routine, unannounced inspection by one regional based inspector. The inspector performed a plant tour, reviewed the licensee's work plans and inspected the work in progress to replace the steam generators. The inspection involved 18 inspector-hours on site by one NRC:RO:1 regional based inspector.

Results: No items of noncompliance were identified.

DETAILS

1. Persons Contacted

Virginia Electric and Power Company

- *W. L. Stewart, Station Manager
- *J. B. Goodson, QA Engineer (SGRP)
- *H. L. Parrish III, Project Manager (SGRP)
- W. A. Byrd, Welding Engineer

Westinghouse Electric Corporation

- J. Dazen, Service Engineer
- K. Kemhill, Service Engineer

Daniel Construction Company

- W. Smith, QC Engineer

2. General

This inspection was conducted as a task group effort with a representative from each of three NRC Regions: Region I, Region II, Region III, and a representative from NRC Headquarters to review inspection plans and observe Quality related activities connected with the steam generator replacements.

3. Observations

Inspections were made of hardware and ongoing activities in the areas listed. These inspections were considered to be of a general nature to be followed by specific later in-depth inspections.

a. Separation of "A" Steam Generator Shell

This consists of final oxygen acetylene cut of girth seam, lifting of top section and examination of inside condition.

b. Steam Generator Supports

Visual inspections of accessible steam generators supports and primary nozzles with pipe removed.

c. Replacement Steam Generators

Visual inspection and shipment condition of generators.

d. Feedwater Nozzle

Inspected partial completed weld, application of preheat, and control of weld material for modified feedwater nozzle on "B" generator.

e. Pipe Fabrication Shop

Inspected the facility to restore the removed pipe for reinstallation. Observed the sub arc weld build up on pipe ends, control of interpass and profile machining equipment.

f. Welder Training of Qualification

Inspection of facility in use to train, practice and perform Performance Qualification test on sub arc pipe weld prep buildup, automatic equipment for primary pipe circle seams and metal arc qualification of steam generator girth welds. Observed welding in progress in these areas.

No items of noncompliance were identified.

g. Management Interview

At the conclusion of the inspection on April 20, 1979 a meeting was held at the site with representatives of the licensee. Attendees at this meeting included personnel whose names are indicated by notations (*) in paragraph 1. The project inspector summarized the results of the inspection.