



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

Report Nos.: 50-338/80-22 and 50-339/80-13

Licensee: Virginia Electric and Power Company
 Richmond, VA 23261

Facility Name: North Anna Power Station

Docket Nos. 50-338 and 50-339

License Nos. NPF-4 and NPF-7

Inspection at North Anna site near Mineral, VA

Inspector: E. J. Ford
 E. J. Ford

June 4 1980
 Date Signed

Approved by: C. M. Upright
 C. M. Upright, Acting Section Chief, RONS Branch

6/4/80
 Date Signed

SUMMARY

Inspection on May 12 - 16, 1980

Areas Inspected

This routine, unannounced inspection involved 29 inspector-hours on site in the inspection of previously identified items.

Results

Of the areas inspected, one apparent item of noncompliance was found in the area of periodic test procedures (Infraction - Failure to implement surveillance test - paragraph 4).

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DETAILS

1. Persons Contacted

Licensee Employees

- *W. R. Cartwright, Station Manager
- *J. M. Grandstaff, Stores Supervisor
- *E. W. Harrell, Maintenance Superintendent
- *D. A. Heacock, Performance Engineer
- J. D. Kellams, Operations Superintendent
- *G. A. Kann, Engineering Supervisor
- *W. R. Madison, Nuclear Training Coordinator
- A. D. Miller, Training Instructor
- *L. L. Rogers, Clerk Typist
- *D. L. Smith, Resident QC Engineer
- C. R. Swope, Senior QC Inspector
- D. E. Thomas, Electrical Supervisor
- R. A. Bergquist, Assistant Instrument Supervisor

Other licensee employees contacted included warehouse and office personnel.

NRC Resident Inspectors

- M. S. Kidd
- *A. P. Tattersall

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on May 16, 1980 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

a. Noncompliance

(Closed) Infraction (338/79-08-02) and Infraction (339/79-11-02): Inadequate or Nonexistent Auditing Procedures. This matter was addressed in VEPCO response letter dated June 19, 1979. The design change audit checklist aspect of this item was previously closed. The inspector reviewed the SYNSOC audit checklist which was required by ANSI 45.2.12-1977, paragraph 4.3.2.1. The inspector determined that the checklist outlined areas to be audited and required a qualified lead auditor and formalized training of team members. It was further noted that the audit reporting requirements, response times, and corrective actions were stated in VEPCO NPSQAM Section 18, Rev. 4, dated June 4, 1979, paragraph 5.4 "Audit Reporting" and paragraph 5.5 "Audit Response and Followup". This item is closed.

(Closed) Deficiency (338/79-08-08): Protection of Materials. This matter was addressed in VEPCO response letter dated June 19, 1979. The inspector examined the VEPCO Quality Assurance Operations and Maintenance Audit Checklist 127-08 and verified the inclusion of auditing in the subject area of capping of safety-related piping in storage. Eight quality control inspection reports for items in storage were examined for the period 7/79 through 1/80 to verify QC surveillance of this area. The inspector determined that the above controls were in effect by visual inspection of the pipe storage area. This item is closed.

(Closed) Infraction (338/79-08-21): Failure to Complete Required Retraining. This matter was addressed in VEPCO response letter dated June 19, 1979. The inspector reviewed records indicating that appropriate personnel had received the required retraining. Records for all Operations Department employees and a representative sample of at least 20 records in each functional grouping including Health Physics, Electrical Maintenance, Mechanical Maintenance, Security and Administration were reviewed. This item is closed.

(Open) Infraction (338/79-08-10): Failure to Use Properly Approved Documentation. This is a four-part noncompliance from report number 50-338/79-08.

- (1) Paragraph 7.c, Material Control Failure. The inspector reviewed the NPSQAM Section 7 to determine that receipt of material received from the construction program are properly processed. This portion of this item is closed.
- (2) Paragraph 8.e, Failure to use Approved Design Change Document. This item involved the implementation of design change DC-78-09 (Boric Acid Pump Insulation) prior to the approval of the final design controlling procedure. The licensee took immediate corrective action which was reviewed by the inspector.

A Memorandum of Instruction for Design Control was issued on June 15, 1979 to all Engineering Services personnel. The inspector reviewed this item with engineering personnel and examined the above memorandum. This portion of this item is closed.

- (3) Paragraph 8.f, Failure to Select Design Change Materials. The final design for design change DC-78-09 required the installation of a calibrated thermometer, yet the materials list included no thermometer. A field change dated 6-13-79 to design change DC-78-09 added the temperature indicator and the aforementioned Engineering memo instructed all project engineers to include all equipment for a design change on the "Material List" form. This portion of this item is closed.
- (4) Paragraph 10.C, Drawing Control. This item was not inspected and remains open.

(Open) Infraction (338/79-08-14): Failure to Perform/Evaluate Testing. This matter was addressed in VPCO response letter dated June 19, 1979. The inspector reviewed the Field Change waiving maximum temperature for this application and its basis; the evaluation and acceptance of test results of DC-78-06; and the instructions to Engineering personnel that test results be evaluated and documented. These portions of this item are closed.

The Final Design Testing Procedure will be performed on all four Boric Acid Transfer Pumps when the D pump is installed. Until the testing procedure is performed, this item remains open.

b. Unresolved

(Closed) Unresolved Item (338/79-08-24): Failure to Document Current Trend Analysis Practices. Operational Quality Assurance Local Instruction "Administration of Maintenance Trends Review Activities", dated May 8, 1979, provided the required documentation. This item is closed.

(Closed) Open Item (338/79-08-25): Lack of Definition of "Project Completion" for Purposes of Record Turnover Following Completion of Construction. In a memorandum dated April 7, 1979, from J. V. Harrison to J. Martin, the term was defined as Commercial Operation plus twelve (12) months except for construction work completed after commercial operation. In the latter case, turnover of records should be accomplished within one year after completion of the construction. This item is closed.

(Closed) Unresolved Item (338/79-08-26): Control (Filing) of Records Affecting Quality. Relocation of safety-related records to the records room was completed prior to September 1979. The inspector discussed the method used for purging the instrumentation files with the Assistant Instrumentation Supervisor to ensure that all safety-related records had been accounted for. The inspector then verified by random examination of 20 records files using ADM-10 "Safety-Related instrumentation" listing that files had been purged. This item is closed.

(Closed) Unresolved Item (338/79-08-27): Placement of Test and Measuring Equipment in a Calibration Program. This item was previously inspected and found that the revised NPSQAM Section 12 dated June 12, 1979 no longer excluded permanently installed instrumentation. It is now determined that ADM-10 includes Unit 1 and 2 instrument listings and that equipment such as Hydrometers and Thermometers used for Station Battery Maintenance are included in the calibration Program. This item is closed.

(Closed) Open Item (338/79-27-01): Revise ADM 12.0 to Reflect Proper Employee Training of Temporary Personnel. The inspector verified that ADM 12.0 dated 4-11-80 had been revised to specify the types of training required of temporary personnel. This item is closed.

(Open) Unresolved Item (338/79-08-19): Test Control of Design Change DC-78-01. The test procedure for design change DC-78-01 did not establish tests to confirm that Recirculation Spray pumps were capable of supplying a minimum flow simultaneously to the Recirculation Spray System and to the Low Head Safety Injection System via the cross-connect.

Until the licensee provides and implements such testing, or removes the no longer needed modification, or provide a suitable alternative, this item remains open.

4. Failure to Implement Surveillance Test

During the review of activities relative to the closeout of previously identified items, the inspector examined 1-PT-85, a 7 day surveillance of station batteries. Sixteen procedures from 1/4/80 through 4/18/80 were examined concurrently with the Resident QC Engineer. During the period from 4-3-80 to 4-13-80 the surveillance was not performed. This is in excess of Technical Specification 3.8.2.3/4.8.2.3.2 requirements.

An item of noncompliance involving failure to meet required surveillance frequency was previously identified in Report 50-338/79-49.

The licensee was informed that the failure to implement the surveillance test in accordance with the Technical Specifications was an item of noncompliance (338/80-22-01).