



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

Report No. 50-338/79-26

Licensee: Virginia Electric and Power Company
Richmond, Virginia 23261

Facility Name: North Anna 1

Docket No. 50-338

License No. NPF-4

Inspection at North Anna Station near Mineral, Virginia

Inspector: R. W. Zavadoski
R. W. Zavadoski

6/8/79
Date Signed

Approved by: G. R. Jenkins
G. R. Jenkins, Acting Section Chief, FFMS Branch

6/8/79
Date Signed

SUMMARY

Inspection on May 21-25, 1979

Areas Inspected

This routine unannounced inspection involved 30 inspector-hours onsite in the areas of procedures for controlling effluent releases, gaseous radioactive effluent releases, liquid radioactive effluent control, records and reports of radioactive effluents, solid radioactive wastes and housekeeping.

Results

Of the six areas inspected, no apparent items of noncompliance or deviations were identified.

1224 258

7908280 123

DETAILS

1. Persons Contacted

Licensee Employees

- *W. R. Cartwright, Station Manager
- *D. M. Hopper, Health Physics Supervisor
- *E. R. Smith, Technical Superintendent
- *R. F. Queener, Health Physicist
 - A. H. Stafford, Health Physicist
 - C. D. Bradley, Senior Health Physics Technician
- *D. L. Smith, Resident QC Engineer
- *W. R. Madison, NRC Coordinator
- *J. D. Kellams, Superintendent Operations
- *W. W. Cameron, Corporate Superintendent, Technical Services

Other licensee employees contacted included six technicians and two office personnel.

NRC Resident Inspector

*M. S. Kidd

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on May 25, 1979 with those persons indicated in Paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected."

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Procedures for Controlling Effluent Releases

The inspector reviewed procedures for the control of liquid and gaseous effluent releases. The inspector had no comments on the procedure content or comments concerning recent revisions. Based on a review of the procedures and discussions with licensee representatives, the inspector determined that revised procedures received the reviews and approvals required by licensee procedures. The aforementioned procedures required that each of the liquid and gaseous releases be done under a permit system. Based on a review of licensee release records for the period April, 1978 to May, 1979, the licensee appeared to be utilizing the permit system for all liquid and gaseous releases. No items of noncompliance or deviations were identified.

6. Gaseous Radioactive Effluent Releases

The inspector examined selected gaseous release permits, gaseous waste management running logs and licensee scheduling records for the period April 1978 to April 1979. An inspection was also made of the waste gas decay tanks, compressor, monitor and sampling station. Based on the records reviewed and discussions with licensee representatives, the licensee appeared to be in compliance with Appendix B Technical Specifications requirements related to: (1) noble gas instantaneous, quarterly and annual release rates; (2) release rates for radioiodines; (3) establishment of gaseous waste monitor alarm settings; (4) maximum activity in decay tanks; (5) sampling and analysis of radioactive material in gaseous wastes. The inspector also verified that adequate meteorological information was available during a release. No items of noncompliance or deviations were identified.

7. Liquid Radioactive Effluent Control

The inspector examined selected liquid release permits, liquid waste management running logs, and chemistry department scheduling records for the period September 1978 to May 1979. Based on these examinations and subsequent discussions with licensee representatives, the inspector determined that the licensee appeared to be in compliance with Appendix B Technical Specification requirements relating to: (1) instantaneous release limits; (2) cumulative release limits; (3) establishment of alarm setpoints for the effluent control monitor; (4) maximum activity in radwaste tanks; (5) and sampling and analysis of liquid radwastes. No items of noncompliance or deviations were identified.

8. Records and Reports of Radioactive Effluents

The inspector verified from selected records of liquid and gaseous releases made during the period April 1978 to April 1979, that records required by sections 2.4.1 and 2.4.4 of Appendix B Technical Specification were maintained. The inspector also noted that the licensee had submitted the Semiannual Radioactive Effluent Release Report for the period July 1, 1978 to December 31, 1978, as required by Appendix B Technical Specification 5.6.1. No items of noncompliance or deviations were identified.

9. Solid Radioactive Wastes

- a. The inspector reviewed records of shipments of radioactive solid waste from the plant during the period April 1978 to April 1979 and discussed solid waste shipments with licensee representatives. The inspector determined from the shipping papers and discussions that the shipments were low specific activity. The inspector also noted that shipments made under the general license provided by 10 CFR 71.12, in a cask for which a certificate of compliance is issued, complied with the conditions of the certificates as well as the requirements of Subpart D, "Operating Procedures," of 10 CFR 71.

- b. The inspector compared the quantities of radioactive solid wastes listed on the shipping records for the period of July 1, 1978 through December 31, 1978, with the data reported in the Semiannual Radioactive Effluent Release Report for the same period and had no questions.

10. Plant Tour and Housekeeping

During the period of the inspection, the inspector toured various areas of the facility to observe radiological controls, work practices, housekeeping, instrumentation, etc. The inspector noted that the housekeeping appeared exceptionally good and consistent with good health physics practice. No items of noncompliance were identified by the inspector.