



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

Report Nos. 50-280/79-66 and 50-281/79-86

Licensee: Virginia Electric and Power Company
Richmond, Virginia 23261

Facility Name: Surry 1 and 2

License Nos. DPR-32 and DPR-37

Inspection at Surry Site near Williamsburg, Virginia

Inspected by: G. R. Jenkins
for T. C. MacArthur

12/27/79
Date Signed

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

12/27/79
Date Signed

SUMMARY

Inspection on December 3-7, 1979

Areas Inspected

This routine, unannounced inspection involved 28 inspector-hours onsite in the areas of radiological environmental monitoring program including; management control, quality control of analytical measurements, inspection of environmental monitoring stations, review of environmental monitoring data, review of radiological environmental monitoring procedures, and implementation of the monitoring program.

Results

Of the 6 areas inspected, no apparent items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

- *W. L. Stewart, Station Manager
- *J. L. Wilson, Superintendent Operations
- *R. F. Saunders, Superintendent Maintenance
- *T. A. Peebles, Superintendent Technical Services
- *B. A. Garber, Health Physicist
- *R. L. Rentz, Resident Q. C. Engineer
- *E. P. Dewandel, Staff Assistant

Other licensee employees contacted included 2 technicians.

NRC Resident Inspector

- *D. J. Burke

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on December 7, 1979, 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 below.

5. Unresolved Item Nos. 280/79-66-01 and 281/79-86-01

Procedure HP-3.3.1, paragraph 1.a, states, "On each air particulate run, ensure the equipment check off list is completed prior to leaving the station. Each item on the list is important and should not be neglected". Item C on the check off list, Spare Sampler (1) was not included on the air particulate run conducted on December 4, 1979. A licensee representative indicated that spare parts had been ordered and that two spare units would be made.

6. Management Controls

Responsibility has been assigned to organization and individuals to conduct the licensee's radiological environmental monitoring program. Technical Specification 4.9, Table 4.9-1 describes the environmental monitoring program to be conducted. Responsibility has been assigned for operating and maintaining the sampling stations and collection of the required samples. The licensee's Technical Specification, 6.1-10, paragraph i, provides for audits of the environmental monitoring program. The inspector reviewed the results of licensee Audit Number S 79-21, dated October 22, 1979, and found that the audit revealed no areas of deficiency. The audit covered appropriate parts of the environmental monitoring program.

7. Quality Control of Analytical Measurements

Since the licensee has contracted with Eberline Instrument Corporation to analyze the environmental samples, the inspector examined Eberline Instrument Corporation's 1978 and available 1979 reports. The cumulative reports included information concerning instrument counting efficiencies and background measurements, duplicate analysis, recount analysis, spike samples, environmental TLDs, and interlaboratory comparisons. Some 1979 data was missing due to the long (approximately six to eight weeks) turn around time from Eberline. The inspector had no further questions.

8. Implementation of the Environmental Monitoring Program

- a. Technical Specification 4.9.E, Table 4.9-1 provides requirements for the scope of the licensee's radiological environmental monitoring program. The inspector reviewed the licensee's annual report to the NRC for 1978 and available data for 1979 and determined that the scope of the program required by T.S.4.9.E in terms of sampling locations, types of samples, frequencies and types of analyses was apparently being met.
- b. The inspector examined all of the licensee's air particulate and charcoal filter monitoring stations and associated TLD stations as well as other solely TLD stations. The inspector also observed the actual collection of the air particulate and charcoal filters. A new clamshell quick disconnect sampling head had been installed at the Memorial Parkway station and was protruding from under the rain hood. A licensee representative indicated that the hood would be extended on all the monitoring stations.
- c. The inspector examined the trend analysis plots and found that they had not been updated since June 1979. The inspector discussed the importance of those data as well as their interpretation with a licensee representative. The representative stated the trend data would be immediately updated.