



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

Report Nos.: 50-327/78-22 and 50-328/78-16

Docket Nos.: 50-327 and 50-328

License Nos.: CPPR-72 and CPPR-73

Licensee: Tennessee Valley Authority
830 Power Building
Chattanooga, Tennessee 37401

Facility Name: Sequoyah Nuclear Plant, Units 1 and 2

Inspection at: Sequoyah Nuclear Plant, Daisy, Tennessee

Inspection conducted: August 2-3, 1978

Inspector: A. L. Cunningham

Reviewed by: *J. W. Hufham*
for J. W. Hufham, Chief
Environmental and Special Project Section
Fuel Facility and Materials Safety Branch

9/27/78
Date

Inspection Summary

Inspection on August 2-3, 1978 (Report Nos. 50-327/78-22 and 50-328/78-16)
Areas Inspected: Routine unannounced inspection of preoperational environmental monitoring program status; construction effects monitoring; environmental protection activities and controls; environmental protection procedures and administrative controls; onsite meteorological measurements program.
Results: No items of noncompliance or deviations were disclosed.

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DETAILS I

Prepared by:

A. L. Cunningham
A. L. Cunningham, Environmental Scientist
Environmental and Special Projects Section
Fuel Facility and Materials Safety Branch

9/24/78
Date

Dates of Inspection: August 2-3, 1978

Reviewed by:

J. W. Huinam
for J. W. Huinam, Chief
Environmental and Special Projects Section
Fuel Facility and Materials Safety Branch

9/27/78
Date

All information in the following Details applies equally to Units 1 and 2

1. Individuals Contacted

- G. G. Stack, Project Manager
- *C. E. Odell, Assistant to the Director, Environmental Planning
- *R. H. Shell, Supervisor, Environmental Planning, Office of Power Regulatory Staff
- *C. L. Mills, Environmental Engineer
- B. A. Brye, Environmental Engineer
- *M. L. Hellums, Environmental Engineer
- O. E. Gray, Assistant Chief, Office of Power Regulatory Staff
- *R. A. Rainey, Quality Assurance Coordinator
- G. R. Steiner, Environmental Engineer

*Denotes those present at exit interview.

2. Licensee Action on Previous Inspection Findings

No previous inspection findings were disclosed.

3. Unresolved Items

No unresolved items were disclosed during this inspection.

4. Preoperational Environmental Monitoring and Surveillance

Program commitments are summarized in Tables 2.5-5 and 2.5-6 of Section 2.5.6 of the Final Environmental Statement for preoperational biological surveillance and water quality monitoring parameters respectively. Biological monitoring was conducted quarterly and had as its objectives the determination of significant changes in the relative abundance of species, species diversity and composition of bottom fauna, plankton, and periphyton. The program provided for reevaluation and required modifications to ensure adequate environmental monitoring. Inspection of field data confirmed that monitoring was conducted at the assigned frequency and included all assigned parameters; viz., plankton, benthic fauna, and periphyton. All preoperational nonfish monitoring and surveillance program requirements and commitment were completed by the licensee and approved by the NRC. Adult fish surveillance requirements of the program have not been completed. There were no questions regarding this item.

5. Environmental Control Program

The inspector conducted a detailed site inspection to verify implementation of the licensee's environmental control program. Items inspected included the following: (1) erosion and runoff control; (2) management of spoil storage and borrow areas; (3) storage and management of hazardous materials, e.g., fuels, lubricants, solvents, askarel (PCB); (4) concrete mixing plant; (5) construction settling pond; (6) plant intake and discharge areas; (7) air quality control; (8) chemical treatment pond and chemical cleaning waste flow path; (9) status and schedule of plant systems cleaning and flushing operations; (10) sewage treatment package plants. Inspection disclosed that all of the above environmental control items and systems were implemented and maintained as defined in their respective procedures.

6. Environmental Protection Procedures

While no specific requirement for procedures exists, approved environmental control procedures were provided by the licensee to assure implementation of the environmental control program. Procedures were included for the following activities: (1) solid waste disposal; (2) point source discharges, viz., sewage treatment plant effluent, chemical toilet wastes, concrete batch plant liquid and aggregate wastes, construction runoff and drainage, chemical flushing discharge; (3) water quality impacts - viz., oil and hazardous materials, dredging spoils; (4) air quality impacts - e.g., dust, hazardous materials, noise; (5) other

construction impacts including vehicular traffic, landscape restoration, insecticides, fungicides, rodenticides, shipment of earth moving equipment, protection of endangered species and critical habitats, protection of historical, cultural and archeological sites; (6) handling and disposal of askarel and other polychlorinated biphenyls. Each procedure defined the criteria for the respective requirement, and assigned both the organization and individual responsible for its implementation. The procedures appeared consistent with accepted industry practice.

7. Meteorology

The inspector conducted a detailed review of the onsite meteorological measurements program. Inspection included the following: (1) a review of operating, maintenance and calibration procedures; (2) review of instrument maintenance and calibration records; (3) review of periodic surveillance checks; (4) inspection of strip chart and computer data recorders; (5) inspection of unit 1 control room meteorological instrumentation. Inspection disclosed that the onsite measurements program was conducted in compliance with the commitments defined in Section 2.3.3 of the FSAR.

8. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion the inspection on August 3, 1978. The inspector summarized the scope and findings of the inspection discussed herein.