Docket No. 50-260

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Mr. Oliver D. Kingsley, Jr. Senior Vice President, Nuclear Power Tennessee Valley Authority 6N 38A Lookout Place 1101 Market Street

Chattanooga, Tennessee 37402-2801

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Dear Mr. Kingsley:

SUBJECT: NRC VERTICAL SLICE INSPECTION AT BROWNS FERRY NUCLEAR PLANT, UNIT 2

The NRC will perform a vertical slice review at your Browns Ferry Unit 2 facility. The inspection is scheduled for the weeks of November 27 and December 11, 1989, with the exit currently scheduled for December 20, 1989. The objectives of this inspection, major areas being reviewed, required information, and the inspectors currently planned for the team are identified in the enclosure.

The system selected for review is the Core Spray (CS) system. Interfaces with other systems will also be evaluated as necessary. A single train outage may be necessary in order to perform cable signal tracing.

The NRC team leader will meet with members of your Browns Ferry staff in late October to provide the list of components to be verified and the type of information to be provided in order to expedite this review. We also request, at that time, a detailed list of all outstanding work on the system with a brief narrative description of each outstanding item.

If you have any questions regarding this activity, please contact Mr. W. Little at (404) 331-5525.

Sincerely,

Suzanne C. Black, Assistant Director for Projects TVA Projects Division Office of Nuclear Reactor Regulation

Enclosure: Vertical Slice Review Inspection Plan Outline

cc w/enclosure: See next page DF01

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Mr. Oliver D. Kingsley, Jr.

cc: General Counsel Tennessee Valley Authority 400 West Summit Hill Drive ET 11B 33H Knoxville, Tennessee 37902

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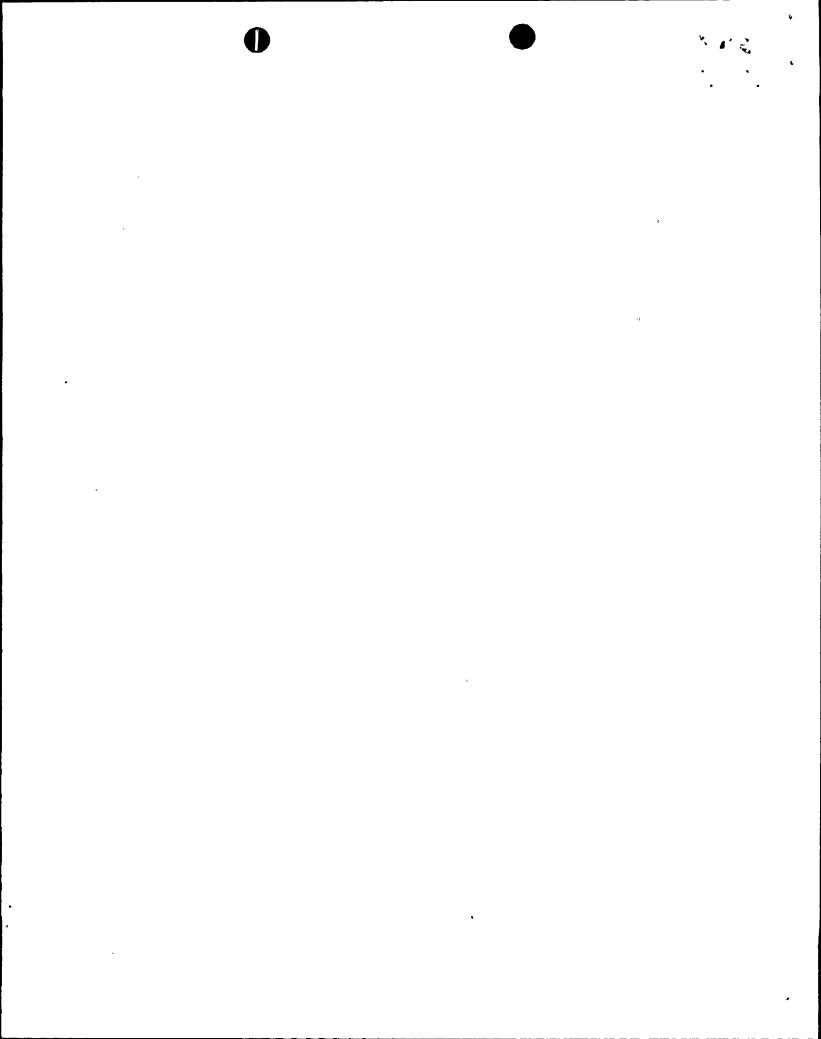
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Tennessee Valley Authority Rockville Office 11921 Rockville Pike Suite 402 Rockville, Maryland 20852



ENCLOSURE

INSPECTION OUTLINE

Inspection Topic:

Vertical Slice Team Review of the Core Spray System

Date:

Weeks of November 27, 1989 and December 11, 1989

Inspection Report No.:

50-259/89-16 50-260/89-16 50-296/89-16

Proposed Inspectors

M. Branch, Team Leader

G. Hubbard, Engineering Review - Lead

M. Partridge, Mechanical Systems, Consultant

To be determined, Instrumentation and Control Systems, Consultant

R. McFadden, Electrical Systems, Consultant

G. Walton/G. Georgiev, Construction Quality Review -Welding and NDE

R. Compton, Civil/Structural, Consultant

D. Ford, Electrical, Consultant M. Good, Instrumentation/Mechanical, Consultant

S. Black, Nuclear Performance Plan Program Effectiveness Review -Lead and TS Review

G. Schnebbli, Q-List/Maintenance/Design Change Implementation

C. Patterson, Q-List/Maintenance/Design Change Implementation

A. Johnson, Training/Procedures

T. Rotella, DBVP Output

Objectives

The objectives of this inspection are: (1) ascertain that the selected system (core spray) can adequately perform the safety functions required to prevent fuel cladding failure and maintain reactor vessel level, (2) evaluate the quality of construction (i.e., hardware adequacy), (3) perform engineering review of design output documents and (4) review the effectiveness of NPP programs.

Major Areas Being Reviewed

1. Engineering Review

Evaluate design output against licensing commitments a.

Review existing engineering calculations b.

Evaluate the acceptability of plant modifications in mechanical, C. electrical, and instrumentation engineering disciplines

Evaluate the effects of outstanding work on system operability

2. Construction Quality Review

- a. Ascertain that equipment installation requirements meet governing specifications
- b. Field verification of hardware installation
- c. As built verification of hardware installation
- d. Independent review and measurements of:
 - pipe wall thickness (UT)
 - 2. electrical cable routing (signal trace)

3. Nuclear Performance Plan (NPP) Effectiveness Review

- a. Q-List/Maintenance
- b. Design changes
- c. Restart test
- d. Contractor recommendations
- e. Training/procedures

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