



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

May 24, 1988

Docket No. 50-260

Mr. S. A. White  
Manager of Nuclear Power  
Tennessee Valley Authority  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

SUBJECT: INSPECTION OF COMPLIANCE WITH 10 CFR 50, APPENDIX R, SECTIONS III.G, III.J AND III.L AND ASSOCIATED FIRE PROTECTION FEATURES - BROWNS FERRY NUCLEAR PLANT, UNIT 2

This letter is to confirm the date of August 8-12, 1988 for the special inspection of Browns Ferry, Unit 2. This inspection date is tied to your completion of 95% of the modifications required to bring Unit 2 into compliance with Appendix R. If this date cannot be met, we will require that you provide us with notification in writing at least 30 days in advance of the projected inspection date.

The purpose of this inspection is to evaluate Browns Ferry, Unit 2, for compliance with Sections III.G, III.J and III.L of Appendix R to 10 CFR 50.

In order for us to properly prepare and perform this type of comprehensive and complex inspection, we request that you provide this Office with the latest revision to the following additional information by the week of July 11, 1988.

1. Piping and instrumentation (flow) diagrams for hot shutdown and cold shutdown systems and alternative or dedicated shutdown systems.
2. Plant layout and equipment location drawings which identify the physical plant locations of hot shutdown and cold shutdown equipment.
3. Color-coded, marked-up electrical raceway drawings which identify the cable routing of power and control circuits for those plant systems necessary to achieve and maintain hot shutdown.
4. Single line AC and DC power and control electrical distribution diagrams.
5. Plant layout drawings which identify the locations of emergency lighting units.
7. Associated circuit analysis.

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Mr. S. A. White

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May 24, 1988

8. Plant Operating Procedures which describe normal hot and cold shutdown from inside the control room, emergency hot and cold shutdown from emergency control stations outside and independent of the control room, and shutdown operations which utilize alternative or dedicated shutdown capability.
9. Fire damage control and repair procedures for cold shutdown systems.
10. Analyses and evaluations of the adequacy of automatic suppression systems.

In addition to the information requested above, copies of any other analysis and/or evaluation which demonstrate compliance to Section III.G, and III.J, of Appendix R should be available on site for review during this inspection. Appropriate personnel, knowledgeable with respect to those plant systems required for safe shutdown and their capabilities, should be available at the site during this inspection. Also, we request that your staff make the necessary arrangements to permit team members ready access to the radiologically controlled areas of the plant if necessary.

Your cooperation with us during this inspection will be appreciated. Should you have any questions concerning this matter, we will be glad to discuss them with you.

Sincerely,

Original Signed by Gerald E. Gears for  
Suzanne Black, Assistant Director  
for Projects  
TVA Projects Division  
Office of Special Projects

cc: See next page

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Mr. S. A. White  
Tennessee Valley Authority

Browns Ferry Nuclear Plant  
Units 1, 2, and 3

cc:  
General Counsel  
Tennessee Valley Authority  
400 West Summit Hill Drive  
E11 B33  
Knoxville, Tennessee 37902

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
101 Marietta Street, N.W.  
Atlanta, Georgia 30323

Mr. R. L. Gridley  
Tennessee Valley Authority  
5N 157B Lookout Place  
Chattanooga, Tennessee 37402-2801

Resident Inspector/Browns Ferry NP  
U.S. Nuclear Regulatory Commission  
Route 12, Box 637  
Athens, Alabama 35611

Mr. H. P. Pomrehn  
Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
P.O. Box 2000  
Decatur, Alabama 35602

Mr. Richard King  
c/o U.S. GAO  
1111 North Shore Drive  
Suite 225, Box 194  
Knoxville, Tennessee 37919

Mr. M. J. May  
Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
P.O. Box 2000  
Decatur, Alabama 35602

Dr. Henry Myers, Science Advisor  
Committee on Interior  
and Insular Affairs  
U.S. House of Representatives  
Washington, D.C. 20515

Mr. D. L. Williams  
Tennessee Valley Authority  
400 West Summit Hill Drive  
W10 B85  
Knoxville, Tennessee 37902

Chairman, Limestone County Commission  
P.O. Box 188  
Athens, Alabama 35611

Claude Earl Fox, M.D.  
State Health Officer  
State Department of Public Health  
State Office Building  
Montgomery, Alabama 36130



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