

JAN 07 1991

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Docket Nos. 50-518 and 50-520  
License Nos. CPPR-150 and CPPR-152

Mr. Oliver D. Kingsley, Jr.  
Senior Vice President, Nuclear Power  
Tennessee Valley Authority  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

SUBJECT: RESPONSE TO NOTICE OF VIOLATION 50-518/87-01

Thank you for your responses of July 14, 1988, November 20, 1988, and April 5, 1990, to our Notice of Violation issued on March 1, 1988, concerning activities conducted at your Hartsville facility.

On December 6, 1990, the Watts Bar Senior Resident Inspector performed an inspection at your Hartsville storage facility. At the conclusion of the inspection, the inspector discussed the results of the inspection findings with Mr. David Thacker, Materials Officer at the storage facility.

The inspector verified compliance with your responses, toured the facility and observed the general condition of items in storage, paying particular attention to housekeeping, material segregation, weather protection, rodent control, condition of items in storage, and security protection of nuclear safety related equipment.

The inspector performed audits of warehouses A, B, E, F, and N, and observed the storage of safety related equipment stored within these buildings to determine the adequacy of the storage facilities. The inspector observed the temperature and monitoring controls used in the warehouses, including the calibration of the recorders. The inspector verified the stored material was segregated and stored off the floor on shelves or pallets. The inspector also observed caps on openings in piping, valves, pumps, etc.

The inspector met with on-site TVA personnel and reviewed the corrective actions taken to the Violations identified in the subject report, including a review of the nonconformances issued as a result of the corrective actions performed by TVA.

The inspector discussed the inspection findings of the two TVA audits performed at Hartsville subsequent to the NRC team inspections.

The inspector reviewed the nonconforming items (NCI) issued during 1988, 1989, and 1990 to assess the significance of the identified nonconformances.

The inspector noted one NCI, No. 90-S022, issued August 31, 1990, that identified a problem with control of the hardware when a facility that has reserved an item drops the hold and another facility than reserves the item.

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This appears to be similar to the concern identified by the NRC inspection.

The concern discussed in the report was that safety related equipment in warehouse storage was being removed to outside storage and stored outside without weather protection, then later returned to the warehouse for nuclear application. This appears to be the situation with the nonconforming item identified on the subject NCI. The NCI identified that the diesel generator system was dropped from the Power Stores QA Program requirements and released from the preventative maintenance program in September 1988. The hardware (starting air receivers, engine/generator control panels, immersion heaters, pumps, motors and piping) was removed from the approved storage and placed in the outside weather (yard storage) during the fall of 1989. Nuclear Power subsequently identified a potential need for the hardware at the Watts Bar nuclear facility. The letter, dated July 31, 1990, from Watts Bar (RIMS L67 900731 861) states that based on a potential need for the Station Blackout Project at Watts Bar, Nuclear Materials requests the subject generator be removed from the Hartsville outside sales category until February 4, 1991.

The inspectors review of NCI's found this was the only item discovered to date that resulted in nuclear equipment being stored in nonconformance with the ANSI N45.2 storage requirements. Additionally, the item was properly identified on a nonconformance report such that engineering evaluations are required prior to using the item in a nuclear application. Therefore, the inspector had no further concern on this issue.

The inspector found the storage conditions at Hartsville to be excellent and the corrective actions taken to the Violation are being properly implemented. NRC inspection item VIO 50-518,520/87-01 is closed.

Sincerely,

Original Signed By  
**BRUCE A. WILSON**

Bruce A. Wilson, Chief  
TVA Projects

cc: (See page 3)

Tennessee Valley Authority

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cc: M. Runyon, Chairman  
Tennessee Valley Authority  
ET 12A 7A  
400 West Summit Hill Drive  
Knoxville, TN 37902

Michael H. Mobley, Director  
Division of Radiological Health  
T.E.R.R.A. Building, 6th Floor  
150 -9th Avenue North  
Nashville, TN 37902

J. B. Waters, Director  
Tennessee Valley Authority  
ET 12A 9A  
400 West Summit Hill Drive  
Knoxville, TN 37902

W. F. Willis  
Chief Operating Officer  
ET 12B 16B  
400 West Summit Hill Drive  
Knoxville, TN 37902

D. Nunn, Vice President  
Nuclear Projects  
1101 Market Street  
6A Lookout Place  
Chattanooga, TN 37402

J. H. Garrity  
Vice President, Watts Bar Site  
Watts Bar Nuclear Plant  
P. O. Box 300  
Chattanooga, TN 37402-2801

Dr. M. U. Medford  
Vice President, Corporation Nuclear  
Assurance, Licensing, and Fuels  
Tennessee Valley Authority  
6N 38A Lookout Place  
Chattanooga, TN 37402-2801

Honorable Johnny Powell  
County Judge  
Meigs County Courthouse  
Route 2  
Decatur, TN 37322

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

Honorable Robert Aikman  
County Judge  
Rhea County Courthouse  
Dayton, TN 37321

E. G. Wallace, Manager  
Nuclear Licensing and  
Regulatory Affairs  
Tennessee Valley Authority  
5N 157B Lookout Place  
Chattanooga, TN 37402-2801

R. J. Stevens  
Site Licensing Manager  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P. O. Box 800  
Spring City, TN 37381

TVA Representative  
1191 Rockville Pike  
Suite 402  
Rockville, MD 29852

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

State of Tennessee

bcc: (See page 4)

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bcc: B. A. Wilson, TVAP/RII  
S. Black, NRR  
K. P. Barr, TVAP/RII  
J. Rutberg, OGC  
M. S. Callahan, GPA/CA  
A. R. Long, TVAP/RII  
G. C. Lainas, NRR  
H. H. Livermore, TVAP/RII  
F. J. Hebdon, NRR  
P. S. Tam, NRR

✓ Document Control Desk

NRC Resident Inspector  
U.S. Nuclear Regulatory Commission  
Route 2, Box 700  
Spring City, TN 37381

TVA/RII

GWalton:vyg

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TVA/RII

KBarr

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1/2/91

TVA/RII

BWilson

12/ /90