

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

April 15, 1983

WBRD-50-390/83-16  
WBRD-50-391/83-15

U.S. Nuclear Regulatory Commission  
Region II  
Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - OFFSET LEAD-IN GUIDES ON WACHTER  
SPENT FUEL CELLS - WBRD-50-390/83-16, WBRD-50-391/83-15 - FIRST INTERIM  
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
L. Watson on March 18, 1983 in accordance with 10 CFR 50.55(e)  
as NCR W-115-P. Enclosed is our first interim report. We expect to submit  
our next report on or about August 5, 1983.

If you have any questions, please get in touch with R. H. Shell at  
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*  
L. M. Mills, Manager  
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Records Center (Enclosure)  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30339

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**ENCLOSURE**

**WATTS BAR NUCLEAR PLANT UNITS 1 AND 2  
OFFSET LEAD-IN GUIDES ON WACHTER SPENT FUEL CELLS  
NCR W-115-P  
WBRD-50-390/83-16, WBRD-50-391/83-15  
10 CFR 50.55(e)  
FIRST INTERIM REPORT**

**Description of Deficiency**

The bottom edge of numerous lead-in guides and the top inner edge of the fuel cell assembly do not meet in a vertical plane; this misalignment could interfere with the entry or exit of a fuel assembly. This condition violates section 3.0.4 of Wachter Associates, Inc. Proposal of the Watts Bar Nuclear Plant High Density Spent Fuel Racks, (dated July 12, 1977) and TVA Specification 3344, both of which are part of TVA's contract with Wachter.

**Interim Progress**

TVA is presently investigating the subject condition to determine its magnitude and impact. More detailed information, including a description of any required hardware modifications, will be provided in our next report.