



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

MAR 12 2002

10 CFR 50.4

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of )  
Tennessee Valley Authority )

Docket No. 50-390

**WATTS BAR NUCLEAR PLANT (WBN) - UNIT 1 - REPORT OF U1C4 REFUELING  
OUTAGE STEAM GENERATOR TUBE INSPECTION (F\*) IN ACCORDANCE WITH  
WBN TECHNICAL SPECIFICATION (TS) 5.9.9**

In accordance with WBN TS 5.9.9, this report provides the results of WBN Unit 1 steam generator (SG) tube inspections for three tubes having indications which may remain in service using the F\* alternate repair criteria. As required by the WBN TS, the data below includes identification of these tubes, the uppermost elevation of the degradation, and the extent of the degradation.

SG	Row	Column	Indication	Location of Crack Tip	Length	BRT
3	19	75	PWSCC Axial	> 2" below TTS		HTS+0.00
3	22	79	PWSCC Axial	> 2" below TTS		HTS-0.13
3	38	18	OD Volumetric	HTS-2.15	0.23"	HTS-0.13

Acronyms:

BRT - Bottom of Roll Transition

HTS - Hot Leg Top of Tube Sheet

OD - Outside Diameter

PWSCC - Primary Water Stress Corrosion Cracking

TTS - Top of Tube Sheet

D030

U.S. Nuclear Regulatory Commission

Page 2

MAR 12 2002

If you have any questions about this report, please contact me at (423) 365-1824.

Sincerely,

A handwritten signature in black ink, appearing to read "Pace", written over a circular stamp or mark.

Paul L. Pace, Manager  
Licensing and Industry Affairs

cc: See page 3

**U.S. Nuclear Regulatory Commission**

**Page 3**

**MAR 12 2002**

**cc:**

**NRC Resident Inspector  
Watts Bar Nuclear Plant  
1260 Nuclear Plant Road  
Spring City, Tennessee 37381**

**Mr. L. Mark Padovan, Senior Project Manager  
U.S. Nuclear Regulatory Commission  
MS 08G9  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852-2738**

**U.S. Nuclear Regulatory Commission  
Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, Georgia 30303**