

December 5, 2000

Mr. J. A. Scalice  
Chief Nuclear Officer and  
Executive Vice President  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 - ISSUANCE OF  
AMENDMENT REGARDING TESTING FREQUENCY FOR TAMPER  
SWITCH/LINE SUPERVISION ALARMS (TAC NO. MA8442)

Dear Mr. Scalice:

The U.S. Nuclear Regulatory Commission has issued the enclosed amendment No. 29 to Facility Operating License No. NPF-90 for Watts Bar Unit 1. This amendment is in response to your application dated March 10, 2000, as supplemented November 6, November 9, 2000 and November 21, 2000 (two letters) which provided information to support the amendment request according to Title 10, *Code of Federal Regulations* (10 CFR), Section 50.90. The proposed changes identify modifications to extend the testing frequency for tamper switch/line supervision alarm testing. We have reviewed all documentation provided by Watts Bar Nuclear Plant on this matter and have determined that the proposed modification meets the intent of the requirements in the 10 CFR Part 73 regulations.

A copy of the safeguards evaluation is also enclosed. This evaluation contains Safeguards Information of a type specified in 10 CFR 73.21 and is being withheld from public disclosure. Questions concerning this matter should be directed to Mr. A. Tardiff at 301-415-3814 or Mr. B. Manili at 301-415-2912.

J. A. Scalice

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Notice of Issuance will be included in the Commission's biweekly *Federal Register* Notice.

Sincerely,

***/RA/***

Robert E. Martin, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-390 and 50-391

Enclosures: 1. Amendment No. 29 to NPF-90  
2. Safeguards Evaluation Report

cc w/Enclosures 1 & 2: J. H. Bartley, NRC, Region II

cc w/enclosure 1: See next page

J. A. Scalice

- 2 -

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cc w/enclosure 1: See next page

***DISTRIBUTION: (Without Safeguards Evaluation Report)***

***PUBLIC***

***PDII-2 Reading***

***RidsNrrDlpmLpdii***

***RidsNrrDlpmLpdii2***

***RidsNrrPmRMartin***

***BClayton (Hardcopy)***

***RidsOgcRp***

***RidsAcrcsAcwnMailCenter***

***Ghill (4)***

***SLewis (e-mail)***

***JTsao (e-mail)***

***RidsRgn2MailCenter***

***IRSS***

***RManili, GTracy, RRosano, ATardiff (RidsNrrDipmlolb)***

**Accession Number ML003774549**

\* See previous Concurrence

OFFICE	PDII-2/PM	PDII-2/LA	OGC	IRSS:IOLB: DIPM	RSS:IOL B:DIPM	RSS:IOL B:DIPM	BC:IOLB:DIPM	PDII-2/SC
NAME	RMartin*Ram	BClayton	APH /NLO	ATardiff*	RManili*	RRosano*	GTracy	RCorreia
DATE	11/27/00	10/16 /00	10/19/00	10/ 5/00	10/5/00	10/10/00	10/16/00	11/28/00

OFFICIAL RECORD COPY

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-390

WATTS BAR NUCLEAR PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 29  
License No. NPF-90

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Tennessee Valley Authority (the licensee) dated March 10, 2000, as supplemented November 6 and 9, 2000 and November 21, 2000 (two letters), complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the Operating License is amended as indicated in the attachment.
3. This license amendment is effective as of the date of its issuance, and shall be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

***/RA/***

Richard P. Correia, Chief, Section 2  
Project Directorate II  
Division of Project Licensing Management  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Operating  
License

Date of Issuance: December 5, 2000

ATTACHMENT TO AMENDMENT NO. 29

FACILITY OPERATING LICENSE NO. NPF-90

DOCKET NO. 50-390

Replace the following page of Operating License No. NPF-90 with the attached revised page. The revised page is identified by amendment number and contains a vertical line indicating the area(s) of change.

Remove Pages  
5

Insert Pages  
5

- (5) The facility was previously granted an exemption from certain requirements of 10 CFR 50, Appendix E, such that the State of Tennessee, which is within the ingestion exposure pathway emergency planning zone, need not participate in the November 1995 full-participation exercise (see 60 FR 54526, October 24, 1995). The granting of this exemption is hereby affirmed.
- E. TVA shall fully implement and maintain in effect all provisions of the physical security, personnel training and qualification, and safeguards contingency plans previously approved by the Commission and all amendments and revisions to such plans made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain safeguards information protected under 10 CFR 73.21, are entitled "Watts Bar Nuclear Plant Physical Security Plan," with revisions submitted through November 9, 2000; "Watts Bar Nuclear Plant Personnel Training and Qualification Plan," with revision submitted through April 1, 1994 and "Watts Bar Nuclear Plant Safeguards Contingency Plan," with revisions submitted through October 1, 1990.
- F. TVA shall implement and maintain in effect all provisions of the approved fire protection program as described in the Fire Protection Report for the facility, as approved in Supplements 18 and 19 of the SER (NUREG-0847) subject to the following provision:
- TVA may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.
- G. Except as otherwise provided in the Technical Specifications (Appendix A to this license) or Environmental Protection Plan (Appendix B to this license), TVA shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 50.73 (b), (c), and (e).
- H. The licensee shall have and maintain financial protection of such types and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

SAFEGUARDS EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 29 TO FACILITY OPERATING LICENSE NO. NPF-90

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT, UNIT 1 AND UNIT 2

DOCKET NO. 50-390 AND 50-391

**Safeguards Information**  
**(Please Contact A. Tardiff or R. Manili, RSS/IOLB/DIPM)**

Mr. J. A. Scalice  
Tennessee Valley Authority

## WATTS BAR NUCLEAR PLANT

### cc w/o Enclosure 2 - Safeguards Evaluation Report:

Mr. Karl W. Singer, Senior Vice President  
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Tennessee Valley Authority  
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Chattanooga, TN 37402-2801

Mr. Paul L. Pace, Manager  
Licensing and Industry Affairs  
Watts Bar Nuclear Plant  
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Mr. Jack A. Bailey, Vice President  
Engineering & Technical  
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Mr. Larry S. Bryant Manager  
Watts Bar Nuclear Plant  
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Spring City, TN 37381

Mr. William R. Lagergren, Site Vice President  
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Tennessee Valley Authority  
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Mr. Lawrence E. Nanney, Director  
Division of Radiological Health  
Dept. of Environment & Conservation  
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