

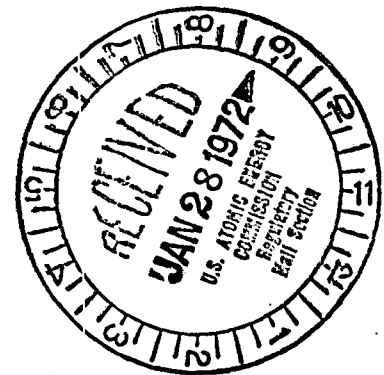
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

January 21, 1972

AIR MAIL

Dr. P. A. Morris, Director  
Division of Reactor Licensing  
United States Atomic Energy Commission  
Washington, DC 20545



Regulatory

File Cy.

Dear Dr. Morris:

In the matter of the Application of ) Docket Nos. 50-390  
Tennessee Valley Authority ) 50-391

Submitted herewith is Amendment 2 to the TVA application for units 1 and 2 of the Watts Bar Nuclear Plant. The amendment consists of the following:

1. Responses to a portion of the questions transmitted to us by R. C. DeYoung, Assistant Director for Pressurized Water Reactors, dated November 23, 1971.
2. New Appendixes 2.8C and 2.8D to the Preliminary Safety Analysis Report (PSAR).
3. Miscellaneous revisions to PSAR pages.

The replies to the remaining questions in the November 23, 1971, letter will be provided as soon as possible.

Instructions for incorporating the new and revised material into the PSAR are included with the amendment.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

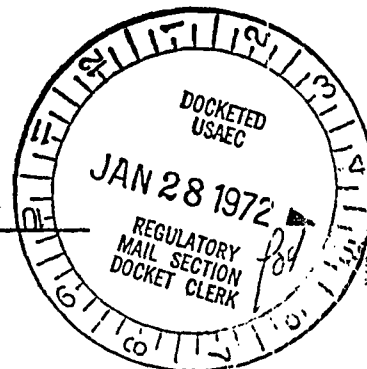
*James E. Watson*  
James E. Watson  
Manager of Power

Subscribed and sworn to before  
me this 21 day of Jan. 1972

*Arthur B. Pickett*  
Notary Public

My Commission Expires 12-3-72

Enclosure



509

LB

WATTS BAR NUCLEAR PLANT  
Amendment No. 2

Regulatory

File Cy.

Received w/ltir Dated 1-21-72

INSTRUCTION SHEET

Remove (Front/Back)

1.2-5/1.2-6  
1.2-9/1.2-10  
Figure 2.2-4/Blank  
2.6-7/2.6-8

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2.8-1/2.8-2  
2.8-3/2.8-4  
2.8-5/2.8-6  
2.8-9/2.8-10

Insert Appendix 2.8C and 2.8D behind Appendix 2.8B

Table 2.10-1/2.10-2

3.4-9/3.4-10

4.1-11/4.1-12

4.3-3/4.3-4

4.3-15/4.3-16

4.3-19/4.3-20

4.5-3/4.5-4

4.5-17/4.5-18

Figure 4.6/Blank

4A-5/4A-6

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5.1-81/5.1-82

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5.1-39/Table 5.1.2-2

Table 5.1.2-3/5.1-40

5.2-1/5.2-2

5.2-3/5.2-4

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Insert (Front/Back)

1.2-5/1.2-6  
1.2-9/1.2-10  
Figure 2.2-4/Blank  
2.6-7/2.6-7A

2.6-7B/2.6-7C

2.6-7D/2.6-8

2.8-1/2.8-2

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Table 2.10-1/2.10-2

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4.1-11/4.1-12

4.3-3/4.3-4

4.3-15/4.3-16

4.3-19/4.3-20

4.5-3/4.5-4

4.5-17/4.5-18

Figure 4.6/Blank

4A-5/4A-6

5.1-20A/Blank

5.1-81/5.1-81A

5.1-82/5.1-82A

5.1-39/5.1-40

Table 5.1.2-2/5.1.2-3

5.2-1/5.2-2

5.2-3/5.2-3A

5.2-4/Blank

WATTS BAR NUCLEAR PLANT

Amendment No. 2

INSTRUCTION SHEET (CONTINUED)

Remove (Front/Back)

6.2-5/6.2-6  
6.2-7/6.2-8  
6.2-9/6.2-10  
6.2-47/6.2-48  
6.2-49/6.2-50  
6.2-53/6.2-54  
6.2-55/6.2-56  
6.2-57/6.2-58  
Table 6.2-18 Continued/6.2-19  
Figure 6.2-1/Blank  
6.3-1/6.3-2  
6.3-3/6.3-4  
6.3-5/6.3-6  
6.3-7/6.3-8  
Figure 6.3-1/Blank  
6.5-1/6.5-2  
6.5-5/6.5-6  
6A-1/6A-2  
7.2-35/7.2-36  
Figure 7.2-3/Blank  
7.3-5/7.3-6  
9.3-15/9.3-16  
9.3-27/9.3-28  
Figure 9.4-1/Blank  
9.5-1/9.5-2  
9.5-3/9.5-4  
9.5-5/9.5-6  
9.5-7/9.5-8

Insert (Front/Back)

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6.2-7/6.2-8  
6.2-9/6.2-10  
6.2-47/6.2-48  
6.2-49/6.2-50  
6.2-53/6.2-54  
6.2-55/6.2-56  
6.2-57/6.2-58  
Table 6.2-18 Continued/6.2-19  
Figure 6.2-1/Blank  
6.3-1/6.3-2  
6.3-3/6.3-4  
6.3-5/6.3-6  
6.3-7/6.3-8  
Figure 6.3-1/Blank  
6.5-1/6.5-2  
6.5-5/6.5-6  
6A-1/6A-2  
7.2-35/7.2-36  
Figure 7.2-3/Blank  
7.3-5/7.3-6  
9.3-15/9.3-16  
9.3-27/9.3-28  
Figure 9.4-1/Blank  
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WATTS BAR NUCLEAR PLANT

Amendment No. 2

INSTRUCTION SHEET (CONTINUED)

Remove (Front/Back)

9.5-9/9.5-10  
9.5-11/9.5-12  
9.5-13/9.5-14  
9.5-15/9.5-16  
9.5-17/9.5-18  
9.5-19/9.5-20  
9.5-21/9.5-22  
9.6-27/9.6-28  
Figure 9.5-4/Blank  
Figure 10.2-1/Blank  
10.11-1/10.11-2  
Figure 10.11-1/Blank  
11.2-5/11.2-6  
11.2-7/11.2-8  
Table 11.2-1/11.2-2  
Figure 11.5-1/Blank  
12.1-1/12.1-2  
13.2-1/13.2-2  
13.3-3/13.3-4  
VII/VIII  
14.2-15/14.2-16  
14.4-5/14.4-6  
14.4-45/14.4-46  
14.4-47/14.4-48  
14.4-65/14.4-66  
14.4-67/14.4-68  
14.5-13/14.5-14  
Table 14-2/14-3

Insert (Front/Back)

9.5-9/9.5-10  
9.5-11/9.5-12  
9.5-13/9.5-14  
9.5-15/9.5-16  
9.5-17/9.5-18  
9.5-19/9.5-20  
9.5-21/9.5-22  
9.6-27/9.6-28  
Figure 9.5-4/Blank  
Figure 10.2-1/Blank  
10.11-1/10.11-2  
Figure 10.11-1/Blank  
11.2-5/11.2-6  
11.2-7/11.2-8  
Table 11.2-1/11.2-2  
Figure 11.5-1/Blank  
12.1-1/12.1-2  
13.2-1/13.2-2  
13.3-3/13.3-4  
VII/VIII  
14.2-15/14.2-16  
14.4-5/14.4-6  
14.4-45/14.4-46  
14.4-47/14.4-48  
14.4-65/14.4-66  
14.4-67/14.4-68  
14.5-13/14.5-14  
Table 14-2/14-3

WATTS BAR NUCLEAR PLANT

Amendment No. 2

INSTRUCTION SHEET (CONTINUED)

Remove (Front/Back)

15.3-7/15.3-8

15.3-9/15.3-10

15.3-31/15.3-32

15.3-35/15.3-36

A.2-15/A.2-16

A.2-17/A.2-18

B.3-1/B.3-2

B.4-1/B.4-2

B.5-21/B.5-22

D-23/D-24

D-25/D-26

D-27/D-28

E.1-1/Blank

E.2-3/E.2-4

E.2-5/E.2-6

E.2-11/E.2-12

Table E.2-1/Blank

Insert (Front/Back)

15.3-7/15.3-8

15.3-9/15.3-10

15.3-31/15.3-32

15.3-35/15.3-36

A.2-15/A.2-16

A.2-17/A.2-18

B.3-1/B.3-2

B.4-1/B.4-2

B.5-21/B.5-22

D-23/D-24

D-25/D-26

D-27/D-28

E.1-1/Blank

E.2-3/E.2-4

E.2-5/E.2-6

E.2-11/E.2-12

Table E.2-1/Blank

Insert Answers to the AEC Questions in newly provided Volume 5.