

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

January 30, 1986

Director of Nuclear Reactor Regulation  
Attention: Mr. B. J. Youngblood, Project Director  
PWR Project Directorate No. 4  
Division of Pressurized Water Reactor (PWR)  
Licensing A  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Youngblood:

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

Please refer to the Watts Bar Nuclear Plant, units 1 and 2, Safety Evaluation Report (NUREG-0847) dated June 1982. SER Section 9.5.1.2, "Fire Protection Systems Description," pages 9-27, contains a listing of plant areas that are equipped with water suppression systems. The plant listing has been updated and is enclosed. The updated list should have no effect on conclusions reached in your previous reviews regarding this section.

If there are any questions, please get in touch with K. P. Parr at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



R. Gridley  
Manager of Licensing

Sworn to and subscribed before me  
this 30<sup>th</sup> day of Jan. 1986

Paulette H. White  
Notary Public  
My Commission Expires 8-24-88

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)  
Region II  
Attention: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

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PDR ADOCK 05000390  
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3002  
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ENCLOSURE

AREAS EQUIPPED WITH WATER SUPPRESSION SYSTEM

Control Building

Elevation 755'

1. Mechanical equipment room - 755.0-C1
2. Women's toilet - 755.0-C2
3. Corridor - 755.0-C3
4. Kitchen - 755.0-C4
5. Toilet - 755.0-C5
6. Locker room - 755.0-C6
7. Conference room - 755.0-C9
8. Shift engineer's office - 755.0-C10
9. Technical Support Center (TSC) - 755.0-C14
10. NRC office, conference room, corridor (TSC) - 755.0-C18, C16, and C19
11. Control room air cleanup charcoal filter housings

Elevation 692'

1. Mechanical equipment rooms - 692.0-C1, C2, and C10
2. 250V battery rooms 1 and 2 - 692.0-C3 and C6
3. 24V and 48V battery room - 692.0-C7
4. Communications room - 692.0-C9
5. Corridor - 692.0-C11
6. Secondary alarm station - 692.0-C12

Elevation 729'

1. Spreading room - 729.0-C1

Diesel Generator Building

Elevation 742'

1. Pipe gallery and corridor - 742.0-9

Intake Pumping Station

Elevation 711'

1. Electrical equipment room

Reactor Building

1. Reactor coolant pumps
2. Annulus area (divisional interactions)

Turbine Building

1. Numerous areas of building

## Auxiliary Building

### Elevation 772'

1. 480V board rooms - 772.0-A1, A2, A15, and A29 (except A6-A8/q-r and A8-A10/q-r)
2. 125V vital battery rooms - 772.0-A3, A4, A13, and A14
3. 480V transformer rooms - 772.0-A5, A6, A11, and A12
4. Mechanical equipment rooms - 772.0-A7 and A10
5. HEPA filter plenum room - 772.0-A9
6. Fifth vital battery and board room - 772.0-A8

### Elevation 782'

1. Control rod drive equipment rooms - 782.0-A1 and A3
2. Pressurizer heater transformer rooms - 782.0-A2 and A4

### Elevation 757'

1. Auxiliary control room - 757.0-A1
2. 6.9-kV and 480V shutdown board rooms - 757.0-A2, A5, A21, and A24
3. 125V vital battery board rooms - 757.0-A3, A4, A22, and A23
4. Personnel and equipment access - 757.0-A9 and A17
5. Reverse osmosis equipment room - 757.0-A10
6. Reactor building equipment hatches - 757.0-A11 and A15
7. Reactor building access rooms - 757.0-A12 and A14
8. Emergency gas treatment filter room - 757.0-A16
9. Auxiliary control instrument rooms 757.0-A25, A26, A27, and A28
10. Emergency gas treatment filter housings

### Elevation 737'

1. Common area - 737.0-A1
2. Heating and vent - 737.0-A3 and A12
3. Ventilation and purge air - 737.0-A5 and A9
4. GF fuel detector room - 737.0-A15 and A16
5. Auxiliary building gas treatment system filter housings

### Elevation 729'

1. Waste package areas - 729.0-A3 and A4
2. Fuel transfer valve rooms/postaccident sampling facilities - 729.0-A8 and A9
3. Cask loading area - 729.0-A5
4. Postaccident sampling facilities filter housings

Elevation 713'

1. Auxiliary building common area - 713.0-A1 (except A6-A14/q-r)
2. Air lock - 713.0-A2
3. Titration room - 713.0-A3
4. Radiochemical laboratory - 713.0-A4
5. Counting room - 713.0-A5
6. Pipe gallery - 713.0-A6
7. Volume control tank rooms - 713.0-A7 and A20 (except labyrinths)
8. Sample rooms 713.0-A13 and A14
9. Pipe gallery 713.0-A19
10. Containment purge air exhaust filter housings
11. Decontamination room - 713.0-A27

Elevation 692'

1. Auxiliary feedwater pump rooms - 692.0-A6 and A26
2. Pipe gallery - 692.0-A7 and A25
3. Charging pump rooms - 692.0-A9, A10, A11, A21, A22, and A23 (except labyrinths)
4. Safety injection pump rooms - 692.0-A12, A13, A19, and A20
5. Cask decontamination collection tank room - 692.0-A14
6. Spent resin tank room - 692.0-A15
7. Valve gallery - 692.0-A16
8. Waste evaporator package room - 692.0-A17 (except labyrinth)
9. Auxiliary waste evaporator packaging room - 692.0-A18 (except labyrinth)
10. Corridor - 692.0-A1

Additional Diesel Generator Building

Elevation 742'

- \*1. Diesel generator room - 742.0-1
- \*2. Fuel oil transfer pump rom - 742.0-2
- \*3. Pipe gallery - 742.0-3
- \*4. Switchgear room - 742.0-4

Elevation 760.5'

1. 480V auxiliary board rom - 760.5-1
- \*2. Transformer room -760.5-4

\*Denotes water-foam suppression.