

The fire areas described herein supersede the fire areas designated in the Fire Protection Report. TVA is preparing a revision to the Fire Protection Report to incorporate the results of the fire area division effort as well as make other changes (e.g., incorporate staff comments, incorporate the Fire Protection Technical Specifications per Generic Letter 88-12, and improve the general clarity) such that the Fire Protection Report will describe the licensing basis for the WBN Fire Protection Program. TVA expects to submit the revised Fire Protection Report by July 30, 1993.

If you have any questions, please telephone P. L. Pace at (615) 365-1824.

Very truly yours,



William J. Museler

Enclosure

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ENCLOSURE 1

FIRE AREA AND FIRE ZONE DEFINITIONS
USED AT WATTS BAR

WALLS, FLOORS, AND CEILINGS

Fire areas are defined as divisions within the plant which are bounded by physical barriers. The walls, floors and ceilings separating buildings are usually 3-hour equivalent fire barriers. Individual rooms within buildings are usually separated from other rooms by 2-hour equivalent fire barriers. Physical barriers which separate fire areas from the yard area are constructed similarly to fire rated barriers, but are not considered fire rated barriers for regulatory purposes.

Fire zones are defined as spaces within fire areas which are bounded by something other than physical barriers. Zone boundaries may include spacial separation, water curtains, partial height barriers or other features which do not meet the strict definition of a rated fire barrier, but are considered to provide adequate protection from the effects of fire. Fire zones are not shown on the fire compartmentation drawings, but are determined when necessary in the Fire Hazards Analysis (FHA) and the Safe Shutdown Analysis (SSA).

ENCLOSURE 2

FIRE AREAS AT WBN

Fire Area: 1

674.0-A2 Waste Evaporator Feed Pump Room
674.1-A1 Waste Holdup Tank Room
676.0-A1 Corridor
676.0-A16 Pipe Gallery
676.0-A2 Holdup Tank Room A
676.0-A3 Holdup Tank Room B
676.0-A4 Floor Drain Collector Pump and Filter Room
676.0-A4a Floor Drain Collector Tank Room
676.0-A5 Gas Stripper Feed Pump Room
676.0-A6 Spare
676.0-A7 Spare
676.0-A8 Containment Spray Pump Room 1B-B
676.0-A9 Containment Spray Pump Room 1A-A
692.0-A1 Corridor
692.0-A12 Safety Injection Pump 1B-B
692.0-A13 Safety Injection Pump 1A-A
692.0-A14 Cask Decontamination Collector Tank Room
692.0-A15 Spent Resin Tank Room
692.0-A16 Valve Gallery
692.0-A17 Hyperfiltration Demin Room
692.0-A18 CRT Storage Room
692.0-A2 Valve Gallery
692.0-A27 Concentrate Filter Room
692.0-A28 Hyperfiltration Equipment Room B
692.0-A29 Boric Acid Evaporator Package Room B
692.0-A3 Gas Decay Tank Room
692.0-A30 Boric Acid Evaporator Package Room A
692.0-A31 Hyperfiltration Equipment Room A
692.0-A4 Chemical Drain Tank Room
692.0-A5 Gas Decay Tank Room
692.0-A8 Pipe Gallery and Chase
692.0-A9 Charging Pump 1A-A
713.0-A28 Pipe Chase

Fire Area: 1-1

692.0-A19 Safety Injection Pump 2A-A

Fire Area: 2-1

676.0-A10 RHR Pump Room 1B-B

Fire Area: 2-2

676.0-A13 RHR Pump Room 2B-B

ENCLOSURE 2

FIRE AREAS AT WBN
(Cont.)

Fire Area: 3-1
676.0-A11 RHR Pump Room 1A-A

Fire Area: 3-2
676.0-A12 RHR Pump Room 2A-A

Fire Area: 4
692.0-A6 Aux. Feedwater Pump 1A-S

Fire Area: 5
692.0-A7 Pipe Gallery

Fire Area: 6
692.0-A10 Charging Pump 1B-B

Fire Area: 7
692.0-A11 Charging Pump 1C

Fire Area: 8
713.0-A1 Auxiliary Building
713.0-A10 Seal Water Heat Exchanger 1A
713.0-A11 Heat Exchanger 1B
713.0-A12 Heat Exchanger 1A
713.0-A13 Sample Room I
713.0-A14 Sample Room II
713.0-A17 Seal Water Heat Exchanger 2A
713.0-A18 Valve Gallery
713.0-A22 Valve Gallery
713.0-A23 CVCS Valve Gallery
713.0-A24 WGC Valve Gallery
713.0-A25 Waste Gas Compressor B
713.0-A26 Waste Gas Compressor A
713.0-A27 Decontamination Room
713.0-A30 Air Lock
713.0-A31 Waste Gas Analyzer
713.0-A9 Valve Gallery

Fire Area: 9
713.0-A6 Pipe Gallery
713.0-A7 Volume Control Tank Room
713.0-A8 Reactor Building Access Room

ENCLOSURE 2

FIRE AREAS AT WBN
(Cont.)

Fire Area: 10

709.2-A1 Spent Fuel Pit
728.0-A7 Cask Decontamination Room
729.0-A5 Cask Loading Area
729.0-A6 Nitrogen Storage Area
729.0-A8 Post Accident Sampling Room
729.0-A9 Post Accident Sampling Room
757.0-A13 Refueling Room
772.0-A9 HEPA Filter Plenum Room
776.0-A1 Elevator Machine Room
786.0-A1 Fan Room

Fire Area: 11

729.0-A3 Waste Packaging Area
729.0-A4 Waste Packaging Area

Fire Area: 12

729.0-A1 Main Steam Valve Room
737.0-A6 Air Lock

Fire Area: 13

729.0-A12 Steam Valve Instrument Room A
729.0-A14 UHI Equipment Room
729.0-A2 Main Steam Valve Room
729.5-A16 Shield Building Vent Radiation Monitoring Room
737.0-A13 Air Lock
763.5-A1 Ice Bin Equipment Room
775.2-A1 Ice Machine Equipment Room
786.5-A1 Package Chiller Equipment Room

Fire Area: 14

737.0-A1 Auxiliary Building
737.0-A11 Air Lock
737.0-A2 Hot Instrument Shop
737.0-A4 Air Lock
737.0-A7 Let Down Heat Exchanger Room
737.0-A8 Let Down Heat Exchanger Room

Fire Area: 15-1

737.0-A3 Heating and Ventilation Room

Fire Area: 15-2

737.0-A12 Heating and Ventilation Room

Fire Area: 16

737.0-A15 Gross Failed Fuel Detector Room
737.0-A5 Ventilation and Purge Air Room

ENCLOSURE 2

FIRE AREAS AT WBN
(Cont.)

Fire Area: 17
757.0-A2 6.9kV and 480V Shutdown Board Room A
757.0-A9 Personnel and Equipment Access Room

Fire Area: 18
757.0-A3 125V Vital Battery Board Room II

Fire Area: 19
757.0-A4 125V Vital Battery Board Room I

Fire Area: 20
757.0-A1 Auxiliary Control Room

Fire Area: 21
757.0-A25 Aux Control Instrument Room 1A

Fire Area: 22
757.0-A26 Aux Control Instrument Room 1B

Fire Area: 23
757.0-A27 Aux Control Instrument Room 2A

Fire Area: 24
757.0-A28 Aux Control Instrument Room 2B

Fire Area: 25
757.0-A10 Reverse Osmosis Equipment Room
757.0-A12 Reactor Building Access Room
782.0-A1 Control Rod Drive Equipment Room
782.0-A2 Pressure Htr Transf Room 1

Fire Area: 26
757.0-A11 Reactor Building Equipment Hatch Room

Fire Area: 27
757.0-A5 480V Shutdown Board Room 1B

Fire Area: 28
757.0-A21 480V Shutdown Board Room 2A

Fire Area: 29
757.0-A22 125V Vital Battery Board Room IV

Fire Area: 30
757.0-A23 125V Vital Battery Board Room III

ENCLOSURE 2

FIRE AREAS AT WBN
(Cont.)

Fire Area: 31
757.0-A17 Personnel and Equipment Access Room
757.0-A24 6.9kV and 480V Shutdown Board Room B

Fire Area: 32
772.0-A1 480V Board Room 1A

Fire Area: 33
772.0-A2 480V Board Room 1B

Fire Area: 34
772.0-A3 125V Vital Battery Room II

Fire Area: 35
772.0-A4 125V Vital Battery Room I

Fire Area: 36
772.0-A5 480V Transformer Room 1B

Fire Area: 37
772.0-A6 480V Transformer Room 1A

Fire Area: 38
772.0-A7 Mechanical Equipment Room

Fire Area: 39
772.0-A8 Fifth Vital Battery and Battery Board Room

Fire Area: 40
772.0-A10 Mechanical Equipment Room

Fire Area: 41
772.0-A11 480V Transformer Room 2B

Fire Area: 42
772.0-A12 480V Transformer Room 2A

Fire Area: 43
772.0-A13 125V Vital Battery Room IV

Fire Area: 44
772.0-A14 125V Vital Battery Room III

Fire Area: 45
772.0-A15 480V Board Room 2B

ENCLOSURE 2

FIRE AREAS AT WBN
(Cont.)

Fire Area: 46
772.0-A16 480V Board Room 2A

Fire Area: 47
786.0-A2 Roof Access Air Lock
786.0-A3 Mechanical Equipment Room
786.0-A4 Mechanical Equipment Room

Fire Area: 48
Control Building (all)

Fire Area: 49
742.0-DG4 Unit 1A-A
760.5-DG3 Air Exhaust Room 1A
760.5-DG4 480V Board Room 1A
760.5-DG5 Air Intake Room 1A

Fire Area: 50
742.0-DG5 Unit 2A-A
760.5-DG6 Air Exhaust Room 2A
760.5-DG7 480V Board Room 2A
760.5-DG8 Air Intake Room 2A

Fire Area: 51
742.0-DG6 Unit 1B-B
760.5-DG10 480V Board Room 1B
760.5-DG11 Air Intake Room 1B
760.5-DG9 Air Exhaust Room 1B

Fire Area: 52
742.0-DG7 Unit 2B-B
760.5-DG12 Air Exhaust Room 2B
760.5-DG13 480V Board Room 2B
760.5-DG14 Air Intake Room 2B

Fire Area: 53
742.0-DG3 Toilet
742.0-DG8 Fuel Oil Transfer Room
742.0-DG9 Pipe Gallery and Corridor

Fire Area: 54
742.0-DG1 CO2 Storage Room
742.0-DG10 Conduit Interface Room
742.0-DG2 Lube Oil Storage Room
760.5-DG1 Corridor
760.5-DG2 Radiation Shelter

ENCLOSURE 2

FIRE AREAS AT WBN
(Cont.)

Fire Area: 55
West Cable Chase

Fire Area: 56
East Cable Chase

Fire Area: 57
Additional Diesel Generator Building (all)

Fire Area: 58
722.0-IP1 Mechanical Equipment Room A
741.0-IP1 Screen Wash Equipment Room
741.0-IP4 ERCW Pump Room A

Fire Area: 59
722.0-IP2 Mechanical Equipment Room B
741.0-IP2 Fire Protection Pump Room
741.0-IP3 ERCW Pump Room B

Fire Area: 60
711.0-IP1 Electrical Equipment Room

Fire Area: 61
Reactor Building Annulus
Reactor Building, Inside Containmentment

Fire Area: 62
730.3-DE2 Distillate Tank Room
730.5-DE1 Instrument Area
730.5-DE3 Bottoms Tank Room
730.5-DE4 Bottoms Pump Room
730.5-DE5 Recirculating Pump Room
730.5-DE6 Heater Room
750.5-DE1 Condenser Room
750.5-DE2 ENTM Separation Room
750.5-DE3 Vapor Body Room
750.5-DE4 Heater Room

Fire Area: 63
Turbine Building (all)

Fire Area: 64
YARD