ATTACHMENT 1

Consumers Power Company
Palisades Plant
Docket 50-255

REVISED PROPOSED TECHNICAL SPECIFICATIONS
PAGE CHANGE

PROPOSED CHANGES

September 27, 1991

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5.2 CONTAINMENT DESIGN FEATURES (Cont'd)

5.2.2 Penetrations

a. All penetrations through the steel-lined concrete structure for electrical conductors, pipe, ducts, air locks and doors are of the double-barrier design.

b. The automatically actuated containment isolation valves are designed to close upon high radiation or high pressure in the containment structure. No single component failure in the actuation system will prevent the isolation valves from functioning as designed.

5.2.3 Containment Structure Cooling Systems

a. The containment air cooling system includes four separate self-contained units which cool the containment air during normal operation and limit the pressure rise in the event of a design accident. Three units, with a total cooling water flow of 5580 gpm with an inlet temperature of 85°F, will remove 230 x 10^6 Btu/hr of heat.

b. The containment spray system is capable of removing 233 x 10^6 Btu/hr (two pumps) from the containment atmosphere at 283°F by spraying the water from the 270,000-gallon SIRW tank. Recirculation of spray water from the containment sump through heat exchangers into the containment atmosphere is also provided. Under this mode of operation, the heat removal capability is 167 x 10^6 Btu/hr based upon 4000 gpm of component cooling water flow with 114°F inlet temperature through the heat exchanger and 1420 gpm of spray water flow at 283°F inlet temperature.

5.3 NUCLEAR STEAM SUPPLY SYSTEM (NSSS)

5.3.1 Primary Coolant System Design Pressure and Temperature

The primary coolant system is designed, and shall be maintained:

a. In accordance with the Code requirements specified in Section 4.2 of the FSAR with allowance for normal degradation pursuant to the surveillance requirements,

b. For a pressure of 2500 psia,

c. For a temperature of 650°F, except the pressurizer, which shall be 700°F, and

d. With a volume of approximately 10,900 cubic feet.

ATTACHMENT 2

Consumers Power Company
Palisades Plant
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5.2.3 Containment Structure Cooling Systems

a. The containment air cooling system includes four separate self-contained units which cool the containment air during normal operation and limit the pressure rise in the event of a design accident. Three units, each with a total cooling water flow of ~~4075~~ 5580 gpm with an inlet temperature of ~~75~~ 85 °F, will remove ~~229~~ 230 x 10^6 Btu/hr of heat.

b. The containment spray system is capable of removing 233 x 10^6 Btu/hr (two pumps) from the containment atmosphere at 283°F by spraying the water from the 270,000-gallon SIRW tank. Recirculation of spray water from the containment sump through heat exchangers into the containment atmosphere is also provided. Under this mode of operation, the heat removal capability is 167 x 10^6 Btu/hr based upon 4000 gpm of component cooling water flow with 114°F inlet temperature through the heat exchanger and 1420 gpm of spray water flow at 283°F inlet temperature.

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