

ATTACHMENT 1

CONSUMERS POWER COMPANY
BIG ROCK POINT PLANT
DOCKET 50-155

As Proposed

Submitted November 7, 1996

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PDR ADOCK 05000155
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4.2.6 (Contd)

Containment Sphere Post-Incident Spray System, and

Backup Service Water System to the Containment Sphere.

One electric fire pump and one diesel fire pump, each rated at 1000 gpm, 254-foot head, shall be provided.

4.2.7 Ventilation System

Ventilation shall be provided through two full-capacity fans, each rated at 30,000 cfm, located in the ventilation stack. Ventilation air to and from the containment sphere shall be via equipment located within the ventilating room. This room is located outside the containment sphere and shall contain the isolation valves, air heating equipment, filters and necessary controls. The filters shall be provided for cleaning inlet air. Flow of air shall be from areas of lowest contamination probability toward areas of highest contamination probability, and then out the stack.

4.2.8 Reactor Service Water System

Cooling of the reactor cooling water system shall be accomplished by two full size heat exchangers, each rated at 9×10^6 Btu/h, supplied with service water from Lake Michigan via the service water pumps.

4.2.9 Service and Instrument Air System

Service and Instrument air shall be supplied by three, nonlubricated air compressors, each rated at 70 scfm and one, nonlubricated air compressor rated at 100 scfm. Instrument air shall also pass through a dryer.

4.2.10 Turbine Generator Unit

The turbine shall be 3600 rpm, tandem-compound, double-flow, condensing unit directly connected to a hydrogen-cooled generator. The turbine generator unit, including its controls and auxiliaries, shall be designed for operation on saturated steam.

The initial rating of the turbine shall be 54,500 kw at 1000 psig, saturated, and 3.5 inches Hg absolute exhaust pressure. The generator initially shall be rated at 70,588 kva with a 0.85 power factor and 30 psig hydrogen pressure.

The turbine shall normally be operated on the initial pressure regulator, which permits the turbine to follow the output of the reactor. During turbine start-up and shutdown, and for short periods of time during normal operation, operation on speed control shall be permitted. During such operation, the turbine load limiter shall be set to limit turbine output to correspond to the planned reactor output.

ATTACHMENT 2

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CURRENT TECHNICAL SPECIFICATION PAGE MARKED UP TO ILLUSTRATE CHANGE

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