

ATTACHMENT

Consumers Power Company
Big Rock Point Plant
Docket 50-155

PROPOSED TECHNICAL SPECIFICATION PAGE CHANGES

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6.3.2 Refueling Operation Controls

Interlocks shall be provided to prevent all motion with any of the refueling cranes (namely, jib cranes, transfer cask winch) which are positioned over the reactor vessel whenever any control rod is not fully inserted in the core and the mode selector switch is in the "refuel" position.

6.3.3 Operating Requirements

- (a) All reactor refueling safety system sensors and trip devices shall be functionally tested at each major refueling shutdown and shall be maintained in the specified condition during all refueling operations.
- (b) The refueling operation controls including position interlocks shall be functionally tested at each major refueling shutdown.

6.4 PLANT MONITORING SYSTEMS

The plant monitoring systems include the process radiation monitoring systems, the area monitoring system, the reactor water level monitors in the Reactor Depressurizing System, and the containment pressure and water level monitoring systems.

6.4.1 Process Radiation Monitoring Systems

- (a) Air Ejector Off-Gas Monitoring System

(see Section 13.1)

- (b) Stack-Gas Monitoring System

(see Section 13.1)

- (c) Emergency Condenser Vent Monitor

The emergency condenser vent shall be monitored to detect a significant release of radioactive material. Monitoring shall be supplied by two independent gamma sensitive instrumentation channels employing scintillation crystal sensing devices. These channels shall have a range of 0.1 to 100 mr/hr and shall be provided with an alarm which shall annunciate in the control room to inform the operator of a release of radioactive material.

One of the emergency condenser vent monitors shall be in service at all times during power operation. The monitors shall be set to alarm at approximately 10 mr above the maximum expected background during operation of the emergency condenser. The calibration shall be checked at least monthly.

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6.4.2 (Contd)

- (c) The containment atmosphere shall be monitored by two high range gamma monitors. The monitors are designed to measure gamma radiation in containment under accident conditions from 1 R/hr to $1\text{E}+06$ R/hr. The monitors are located external to the containment sphere. The readouts of the monitors are located in the control room.

Both high range containment atmosphere gamma monitors shall normally be in service during power operation. If either monitor is inoperable, restore to operable status within 72 hours or, in lieu of any other report required by Specification 6.9.2 (administrative controls), prepare and submit a Special Report to the Commission pursuant to Specification 6.9.3 (administrative controls) within the next 30 days outlining the cause of the inoperability and the plans for restoring the system to operable status. A channel check shall be performed for each monitor at least once per month, and channel calibration shall be performed at each refueling outage. The channel calibration for all ranges above 10R/hr may be performed by electronic signal substitution.

- (d) Portable gamma dose-rate measuring instruments and portable neutron dose-rate measuring instruments shall be provided for establishing permissible working limits. These instruments shall be calibrated at least once every three months. Portable high range gamma measuring instruments shall be calibrated from 0-20 R/hr every three months and on all scales every six months.

6.4.3 Reactor Water Level Monitors in the Reactor Depressurization System

Four narrow range water level monitors are provided in the main control room as part of the Reactor Depressurizing System to be used for detection of adequate core cooling during accident situations.

At least two reactor water level indicators in the Reactor Depressurization System shall be operable during power operation.

6.4.4 Containment Pressure and Water Level Monitoring Systems

Two containment pressure monitors and two containment water level monitors are provided with readouts in the main control room for accident monitoring. The containment pressure and water level monitors shall be operable during power operations. Plant shutdown is required within 12 hours following a 7 day period when one monitor of either type is inoperable. Plant shutdown is required within 12 hours following a 48 hour period when both monitors of one type are inoperable. A channel check of each monitor shall be done at least once per month and a channel calibration shall be performed at each major refueling shutdown but not less frequently than once every 18 months.

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7.6(Contd)

<u>System or Function Undergoing Test</u>	<u>Frequency of Routine Tests</u>	<u>Reference Procedure Within These Specifications</u>
Calibration of area monitoring system	One month or less	Section 6.4.2
Channel comparison check of reactor level indicating instruments in the Reactor Depressurization System	One month or less	Section 6.4.3
Calibration of reactor level indicating instruments in the Reactor Depressurizing System	At each major refueling shutdown	Section 6.4.3
Steam drum safety valve position monitor check	One month or less	Section 4.1.2
Calibration of steam drum safety valve position monitors	At each major refueling shutdown	Section 4.1.2
High radiation trip closure of the containment ventilation isolation valves	At each major refueling shutdown	Section 6.4.2
Channel Check of High Range Containment Gamma Monitors	One month or less	Section 6.4.2
Channel calibration of High Range Containment Gamma Monitors	At each major refueling shutdown	Section 6.4.2
Channel Check of containment pressure and water level monitors	One month or less	Section 6.4.4
Channel Calibration of containment pressure and water level monitors	At each major refueling shutdown*	Section 6.4.4

*But no less than once every 18 months

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