

6.3.2 Refueling Operation Controls

- (a) Interlocks shall be provided to prevent all motion with any of the refueling cranes (namely, jib cranes and 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 and the area monitoring system.

6.4.1 Process Radiation Monitoring Systems

The process radiation monitoring systems consist of the air ejector off-gas monitoring system including the fuel rupture detection system, stack-gas monitoring system, the emergency condenser vent monitor and process liquid monitor system.

(a) Air Ejector Off-Gas Monitoring System

Continuous monitoring of the air ejector off-gas radioactivity shall be provided by either two ion chamber type systems or two single-channel gamma scintillation spectrometer systems designed to detect noble gas fission products indicative of a fuel element rupture. One system (either ion chamber or scintillation detector) will always be in service with an identical system as an operational spare. The sampling system shall be designed to hold up the gas sample to allow time for the decay of Nitrogen-16 and other short-lived activation gases. The off-gas monitoring channels shall be calibrated so that the indicated and recorded count rate output of the channel in service, combined with the off-gas flow, permits determination of

50-735
 DISTRIBUTION FOR PLANT 50 DOCKET MATERIAL

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TO: Mr. Don K. Davis

FROM: Consumers Pwr. Company
 Jackson, Michigan
 David A. Bixel

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PLANT NAME:
 Big Rock Point
 RJL

ENCLOSURE

Amdt. to OL/ change to tech specs....notorized 5/17/77 to incorporate the minimum qualification requirements of the Radiation Protection Manager into the tech specs.....

(3-P)

SAFETY		FOR ACTION/INFORMATION		ENVIRO	
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