

LIMITING CONDITION FOR OPERATION3.10 ADDITIONAL SAFETY RELATED
PLANT CAPABILITIESApplicability:

Applies to the operating status of the main control room ventilation standby filter unit system and the Remote Shutdown Panels.

Objective:

To assure the availability of the main control room ventilation standby filter unit system, and Remote Shutdown Panels under the conditions for which the capability is an essential response to station abnormalities.

A. MAIN CONTROL ROOM VENTILATION

1. Except as specified in Specification 3.10.A.3 below, the main control room ventilation standby filter unit system shall be OPERABLE at all times when SECONDARY CONTAINMENT INTEGRITY is required.
- 2.a The results of the in-place cold dioctyl phthalate (DOP) and halogenated hydrocarbon tests at design flows on HEPA filters and charcoal adsorber banks, respectively, shall show >99% DOP removal and >99% halogenated hydrocarbon removal.

SURVEILLANCE REQUIREMENT4.10 ADDITIONAL SAFETY RELATED PLANT
CAPABILITIESApplicability:

Applies to the surveillance requirements for the main control room ventilation standby filter unit system, and the Remote Shutdown Panels which are required by the corresponding Limiting Conditions for Operation.

Objective:

To verify that operability or availability under conditions for which these capabilities are an essential response to station abnormalities.

A. MAIN CONTROL ROOM VENTILATION

1. ANNUALLY, the pressure drop across the combined HEPA filters and charcoal adsorber banks shall be demonstrated to be less than 6 inches of water at system design flow rate.
- 2.a. The tests and sample analysis of Specification 3.10.A.2 shall be performed initially and then ANNUALLY or after every 720 hours of system operation and following significant painting, fire or chemical release in any ventilation zone communicating with the system.

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- b. The results of laboratory carbon sample analysis shall show $>90\%$ radioactive methyl iodide removal at a face velocity of 40 fpm, 0.05 to 0.15 mg/m³ inlet iodide concentration, $\geq 95\%$ R.H. and $\geq 125^\circ\text{F}$.
- c. System flow shall be 1000 cfm $\pm 10\%$.
- 3.a During POWER OPERATION or Reactor Startup from and after the date that one of the main control room ventilation standby filter unit subsystems is made or found to be inoperable, restore the inoperable subsystem to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 24 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENT

- b. Each main control room ventilation standby filter unit subsystem shall be demonstrated OPERABLE after each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorbers remove $>99\%$ of a halogenated hydrocarbon refrigerant test gas when they are tested in-place while operating the subsystem at the design flow rate.
- c. Each main control room ventilation standby filter unit subsystem shall be demonstrated OPERABLE after each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove $>99\%$ of the DOP when they are tested in-place while operating the subsystem at the design flow rate.
- d. Monthly, each main control room ventilation standby filter unit subsystem shall be demonstrated OPERABLE by initiating flow through the HEPA filters and charcoal adsorbers and verifying that the subsystem operates for at least 10 hours.
- 3.a Once per OPERATING CYCLE, automatic initiation of the main control room ventilation standby filter unit system shall be demonstrated, by verifying that upon receipt of a high radiation test signal at the air intake radiation monitors, that the system automatically switches to the isolation mode and the control room is maintained at a positive pressure of greater than or equal to 1/10 inch-water gauge under calm wind conditions (<5 mph) relative to the outside atmosphere at a flow rate of 1000 cfm $\pm 10\%$.

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- b. In the COLD SHUTDOWN or REFUELING mode, with one main control room ventilation standby filter unit filtration subsystem inoperable, restore the inoperable subsystem to OPERABLE status within 7 days or initiate and maintain operation of the OPERABLE subsystem in the isolation mode of operation or suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
- c. In the COLD SHUTDOWN or REFUELING mode, with both main control room ventilation standby filter unit subsystems inoperable, IMMEDIATELY suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.

B. REMOTE SHUTDOWN PANEL

1. At all times when not in use, being tested or being maintained, the Remote Shutdown Panel (Bay "A" Door) and local control panels shall be locked.

SURVEILLANCE REQUIREMENT

- b. Additional tests shall be performed during Cycle 9 operation under an adequate number of different environmental wind conditions to enable valid extrapolation and engineering evaluation of the test results. These tests are to be performed solely for the purpose of determining the effects of various wind conditions on control room pressure and are not conducted for the purpose of satisfying Surveillance Requirement 4.10.A.3.a.

B. REMOTE SHUTDOWN PANELS

1. The Remote Shutdown Panel (Bay "A" Door) and local control panels shall be visually checked once per week to verify they are locked.
2. Switches on the Remote Shutdown Panel shall be functionally tested and instrumentation calibrated once per OPERATING CYCLE.