

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.12.A (cont'd)

A. Control Room Emergency Filter System

1. Except as specified in Specification 3.12.A.2 below, the Control Room Emergency Filter system, the diesel generators required for operation of this system and the main control room air radiation monitor shall be OPERABLE at all times when PRIMARY or SECONDARY CONTAINMENT INTEGRITY is required. ~~The emergency bypass fan shall be demonstrated to provide < 1000 CFM.~~
2. From and after the date that the Control Room Emergency Filter system is made or found to be inoperable for any reason, reactor operations are permissible only during the succeeding seven days unless the system is sooner made OPERABLE. Refueling requirements are as specified in Specification 3.10.G.
3. If these conditions cannot be met, reactor SHUTDOWN shall be initiated and the reactor shall be in COLD SHUTDOWN within 24 hours.

4.12.A (cont'd)

A. Control Room Emergency Filter System

- 1.a. At least once per OPERATING CYCLE, the pressure drop across the combined HEPA filters and charcoal absorber banks shall be demonstrated to be less than 6 inches of water at ~~system design~~ flowrate of 900 CFM ± 10%
- b. The tests and sample analysis of Specifications 4.12.A.1.c and 4.12.A.1.d shall be performed at least once every 18 months for standby service or after every 720 hours of system operation and following significant painting, fire or chemical release in any ventilation zone communicating with the system.
- c. The results of the in-place cold DOP leak tests on the HEPA filters shall show ≥ 99% DOP removal. The results of the halogenated hydrocarbon leak tests on the charcoal adsorbers shall show ≥ 99% halogenated hydrocarbon removal. The DOP and halogenated hydrocarbon tests shall be performed at ~~the system design~~ flowrate of 990 CFM ± 10%
- d. The results of laboratory carbon sample analysis shall show ≥ 99% radioactive methyl iodide removal with inlet conditions of: velocity ≥ 39 FPM, ≥ 1.75 mg/m³ inlet iodide concentration, ≥ 95% R.H. and ≤ 30°C.
- e. Cold DOP testing shall be performed after each complete or partial replacement of the HEPA filter bank or after any structural maintenance on the system housing.
- f. Halogenated hydrocarbon testing shall be performed after each complete or partial replacement of the charcoal absorber bank or after any structural maintenance on the system housing.
- g. The system shall be operated at least 10 hours every month.
- h. At least once per OPERATING CYCLE automatic initiation of the system shall be demonstrated.
- i. At least once per OPERATING CYCLE demonstrate the Control Room Emergency Filter System can maintain positive pressure relative to adjacent areas at a flowrate of ~~< 1000 CFM.~~ 990

LIMITING CONDITIONS FOR OPERATION

3.12.A (cont'd)

A. Control Room Emergency Filter System

1. Except as specified in Specification 3.12.A.2 below, the Control Room Emergency Filter system, the diesel generators required for operation of this system and the main control room air radiation monitor shall be OPERABLE at all times when PRIMARY or SECONDARY CONTAINMENT INTEGRITY is required.
2. From and after the date that the Control Room Emergency Filter system is made or found to be inoperable for any reason, reactor operations are permissible only during the succeeding seven days unless the system is sooner made OPERABLE. Refueling requirements are as specified in Specification 3.10.G.
3. If these conditions cannot be met, reactor SHUTDOWN shall be initiated and the reactor shall be in COLD SHUTDOWN within 24 hours.

SURVEILLANCE REQUIREMENTS

4.12.A (cont'd)

A. Control Room Emergency Filter System

- 1.a. At least once per OPERATING CYCLE, the pressure drop across the combined HEPA filters and charcoal absorber banks shall be demonstrated to be less than 6 inches of water at a flowrate of 900 CFM $\pm 10\%$.
- b. The tests and sample analysis of Specifications 4.12.A.1.c and 4.12.A.1.d shall be performed at least once every 18 months for standby service or after every 720 hours of system operation and following significant painting, fire or chemical release in any ventilation zone communicating with the system.
- c. The results of the in-place cold DOP leak tests on the HEPA filters shall show $\geq 99\%$ DOP removal. The results of the halogenated hydrocarbon leak tests on the charcoal adsorbers shall show $\geq 99\%$ halogenated hydrocarbon removal. The DOP and halogenated hydrocarbon tests shall be performed at a flowrate of 900 CFM $\pm 10\%$.
- d. The results of laboratory carbon sample analysis shall show $\geq 99\%$ radioactive methyl iodide removal with inlet conditions of: velocity ≥ 39 FPM, ≥ 1.75 mg/m³ inlet iodide concentration, $\geq 95\%$ R.H. and $\leq 30^\circ\text{C}$.
- e. Cold DOP testing shall be performed after each complete or partial replacement of the HEPA filter bank or after any structural maintenance on the system housing.
- f. Halogenated hydrocarbon testing shall be performed after each complete or partial replacement of the charcoal absorber bank or after any structural maintenance on the system housing.
- g. The system shall be operated at least 10 hours every month.
- h. At least once per OPERATING CYCLE automatic initiation of the system shall be demonstrated.
- i. At least once per OPERATING CYCLE demonstrate the Control Room Emergency Filter System can maintain positive pressure relative to adjacent areas at a flowrate of ≤ 990 CFM.