

## LIMITING CONDITION FOR OPERATION

### 3.7.A (cont'd.)

#### 6. Low-Low Set Relief Function

- a. The low-low set function of the safety-relief valves shall be operable when there is irradiated fuel in the reactor vessel and the reactor coolant temperature is  $\geq 212^{\circ}\text{F}$ , except as specified in 3.7.A.6.a.1 and 2 below.
1. With the low-low function of one safety/relief valve (S/RV) inoperable, restore the inoperable LLS S/RV to OPERABLE within 14 days or be in the HOT STANDBY mode within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
2. With the low-low set function of both S/RVs inoperable, be in at least HOT STANDBY within 12 hours and in COLD SHUTDOWN within the next 24 hours.
- b. The pressure switches which control the low-low set safety/relief valves shall have the following settings.

NBI-PS-51A Open Low Valve  
1015  $\pm$  20 psig (Increasing)

NBI-PS-51B Close Low Valve  
875  $\pm$  20 psig (Decreasing)

NBI-PS-51C Open High Valve  
1025  $\pm$  20 psig (Increasing)

NBI-PS-51D Close High Valve  
875  $\pm$  20 psig (Decreasing)

#### B. Standby Gas Treatment System

1. Except as specified in 3.7.B.3 below, both standby gas treatment systems shall be operable at all times when secondary containment integrity is required.
- 2.a. 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  $\geq 99\%$  halogenated hydrocarbon removal. The DOP and halogenated hydrocarbon tests shall be performed at a Standby Gas Treatment flowrate of  $\leq 1780$  CFM and at a Reactor Building pressure of  $\leq .25$ " Wg.

## SURVEILLANCE REQUIREMENT

### 4.7.A (cont'd.)

#### 6. Low-Low Set Relief Function

- a. The low-low set safety/relief valves shall be tested and calibrated as specified in Table 4.2.B.

#### B. Standby Gas Treatment System

1. At least once per operating cycle the following conditions shall be demonstrated.
  - a. Pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 6 inches of water at the system design flow rate.
  - b. Inlet heater input is capable of reducing R.H. from 100 to 70% R.H.
- 2.a. The tests and sample analysis of Specification 3.7.B.2 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.

## LIMITING CONDITION FOR OPERATION

### 3.7.B (cont'd)

- b. The results of laboratory carbon sample analysis shall show  $\geq 99\%$  radioactive methyl iodide removal with inlet conditions of: velocity  $\geq 27$  FPM,  $\geq 1.75$  mg/m<sup>3</sup> inlet methyl iodide concentration,  $\geq 70\%$  R.H. and  $\leq 30^\circ\text{C}$ .
  - c. Each fan shall be shown to provide 1780 CMF  $\pm 10\%$ .
3. From and after the date that one standby gas treatment system is made or found to be inoperable for any reason, reactor operation is permissible only during the succeeding seven days unless such system is sooner made operable, provided that during such seven days all active components of the other standby gas treatment system, and its associated diesel generator, shall be operable.
- Fuel handling requirements are specified in Specification 3.10.E.
4. If these conditions cannot be met, procedures shall be initiated immediately to establish reactor conditions for which the standby gas treatment system is not required.

### C. Secondary Containment

1. Secondary containment integrity shall be maintained during all modes of plant operation except when all of the following conditions are met.

## SURVEILLANCE REQUIREMENT

### 4.7.B (cont'd)

- b. 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.
  - c. Halogenated hydrocarbon testing shall be performed after each complete or partial replacement of the charcoal adsorber bank or after any structural maintenance on the system housing.
  - d. Each system shall be operated with the heaters on at least 10 hours every month.
  - e. Test sealing of gaskets for housing doors downstream of the HEPA filters and charcoal adsorbers shall be performed at, and in conformance with, each test performed for compliance with Specification 4.7.B.2.a and Specification 3.7.B.2.a.
3. System drains where present shall be inspected quarterly for adequate water level in loop-seals.
- 4.a. At least once per operating cycle automatic initiation of each branch of the standby gas treatment system shall be demonstrated.
- b. At least once per operating cycle manual operability of the bypass valve for filter cooling shall be demonstrated.
- c. When one standby gas treatment system becomes inoperable the other standby gas treatment system shall be demonstrated to be operable immediately and daily thereafter. A demonstration of diesel generator operability is not required by this specification.

### C. Secondary Containment

1. Secondary containment surveillance shall be performed as indicated below: