3/4.7 PLANT SYSTEMS

3/4.7.1 SERVICE WATER SYSTEMS

SHUTDOWN SERVICE WATER SYSTEM (LOOPS A, B, C)

LIMITING CONDITION FOR OPERATION

3.7.1.1 The shutdown service water (SX) loop(s) shall be OPERABLE during times when its associated system(s) or components are required to be OPERABLE. Each OPERABLE SX loop shall be comprised of:

a. One OPERABLE SX pump, and

b. An OPERABLE flow path capable of taking suction from ultimate heat sink and transferring water through the associated system(s) and components that are required to be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3, 4, 5, and *.

ACTION:

With a shutdown service water loop(s) inoperable and with its associated system(s) or component(s) required to be OPERABLE, declare the associated system(s) or component(s) inoperable and take the ACTION required by Specification(s) 3.4.9.1, 3.4.9.2, 3.5.1, 3.5.2, 3.8.1.1, 3.8.1.2, 3.9.11.1, and 3.9.11.2, as applicable. The provisions of Specification 3.0.4 are not applicable for entry into OPERATIONAL CONDITION 4 or 5 with one required shutdown service water loop inoperable.

SURVEILLANCE REQUIREMENTS

4.7.1.1 The above required shutdown service water system loops shall be demonstrated OPERABLE:

a. At least once per 31 days by verifying that each valve in the flow path that is not locked, sealed or otherwise secured in position, is in its correct position.

b. At least once per 18 months during shutdown by verifying that each automatic valve servicing safety related and non-safety related equipment actuates to the correct position and that each shutdown service water pump starts on a LOCA test signal.

*When handling irradiated fuel in the Fuel Handling Building or primary containment.

PLANT SYSTEMS

3/4.7.2 CONTROL ROOM VENTILATION SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.2 Two independent Control Room Ventilation Systems shall be OPERABLE.†

APPLICABILITY: All OPERATIONAL CONDITIONS and *.

ACTION:

a. In OPERATIONAL CONDITION 1, 2 or 3 with one Control Room Ventilation System inoperable, restore the inoperable system to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

b. In OPERATIONAL CONDITION 4, 5, or *:

1. With one Control Room Ventilation System inoperable, restore the inoperable system to OPERABLE status within 7 days or initiate and maintain operation of the OPERABLE system in the high radiation mode of operation. The provisions of Specification 3.0.4 are not applicable for entry into OPERATIONAL CONDITION 4 or 5.

2. With both Control Room Ventilation Systems inoperable, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.

c. The provisions of Specification 3.0.3 are not applicable in OPERATIONAL CONDITION *.

SURVEILLANCE REQUIREMENTS

4.7.2 Each Control Room Ventilation System shall be demonstrated OPERABLE:†

a. At least once per 12 hours by verifying that the control room air temperature is less than or equal to 86°F.

b. At least once per 31 days on a STAGGERED TEST BASIS by initiating, from the control room, flow through the HEPA filters and charcoal adsorbers and verifying that the makeup filter system operates continuously for at least 10 hours with the heaters operating; and with flow through the recirculation charcoal adsorber for at least 15 minutes.

*When irradiated fuel is being handled in the secondary containment.
†Automatic transfer to the chlorine mode is not required when chlorine containers having a capacity of 150 pounds or less are stored 100 meters or more from the control room or its fresh air inlets.