

PLANT SYSTEMS

3/4.7.10 CHILLED WATER SYSTEM - AUXILIARY BUILDING SUBSYSTEM

LIMITING CONDITION FOR OPERATION

=====

3.7.10 The chilled water system shall be OPERABLE with:

- a. Three chillers
- b. Two chilled water pumps

APPLICABILITY: ALL MODES and during movement of irradiated fuel assemblies.

ACTION: MODES 1, 2, 3, and 4

- a. With one chiller inoperable:
 - 1. Remove the appropriate non-essential heat loads from the chilled water system within 4 hours and;
 - 2. Restore the chiller to operable status within 30 days or;
 - 3. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b. With two chillers inoperable:
 - 1. Remove the appropriate non-essential heat loads from the chilled water system within 4 hours and;
 - 2. Align the control room emergency air conditioning system (CREACs) for single filtration operation using the Salem Unit 2 train within 4 hours and;
 - 3. Restore at least one chiller to operable status within 72 hours or;
 - 4. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- c. With one chilled water pump inoperable, restore the chilled water pump to operable status within the 14 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

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PLANT SYSTEMS

LIMITING CONDITION FOR OPERATION
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ACTION: MODES 5 and 6 or during movement of irradiated fuel assemblies. *

- a. With one chiller inoperable:
 - 1. Remove the appropriate non-essential heat loads from the chilled water system within 4 hours and;
 - 2. Restore the chiller to operable status within 30 days or;
 - 3. Suspend CORE ALTERATIONS and movement of irradiated fuel assemblies.
- b. With two chillers inoperable:
 - 1. Remove the appropriate non-essential heat loads from the chilled water system within 4 hours and;
 - 2. Align the control room emergency air conditioning system (CREACs) for single filtration operation using the Salem Unit 2 train within 4 hours and;
 - 3. Restore at least one chiller to operable status within 72 hours or;
 - 4. Suspend CORE ALTERATIONS and movement of irradiated fuel assemblies.
- c. With one chilled water pump inoperable, restore the chilled water pump to operable status within the 14 days or suspend CORE ALTERATIONS and movement of irradiated fuel assemblies.

SURVEILLANCE REQUIREMENTS
=====

4.7.10 The chilled water loop which services the Auxiliary Building shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each manual valve in the chilled water system flow path servicing safety related components that is not locked, sealed, or otherwise secured in position, is in its correct position.
- b. At least once per 18 months, by verifying that each automatic valve actuates to its correct position on a Safeguards Initiation signal.
- c. At least once per 92 days by verifying that each chiller starts and runs.

* During Modes 5 and 6 and during movement of irradiated fuel assemblies, chilled water components are not considered to be inoperable solely on the basis that the backup emergency power source, diesel generator, is inoperable.

PLANT SYSTEMS

BASES

=====

3/4.7.10 CHILLED WATER SYSTEM - AUXILIARY BUILDING SUBSYSTEM

The OPERABILITY of the chilled water system ensures that the chilled water system will continue to provide the required normal and accident heat removal capability for the control room area, relay rooms, equipment rooms, and other safety related areas. Verification of the actuation of each automatic valve on a Safeguards Initiation signal includes actuation following receipt of a Safety Injection signal or a radiation monitoring signal.

During maintenance and surveillance testing, operator actions can take the place of automatic actions.

During Modes 5 and 6 and during movement of irradiated fuel assemblies, chilled water components do not have to be considered inoperable solely on the basis that the backup emergency power source, diesel generator, is inoperable. This is consistent with Technical Specification 3.8.1.2 which only requires two operable diesel generators.

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- b. With two chillers inoperable:
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 - 2. Align the control room emergency air conditioning system (CREACs) for single filtration operation using the Salem Unit 1 train within 4 hours and;
 - 3. Restore at least one chiller to operable status within 72 hours or;
 - 4. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- c. With one chilled water pump inoperable, restore the chilled water pump to operable status within the 14 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

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