

PLANT SYSTEMS

SERVICE WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.1.2 The service water system nuclear header shall be OPERABLE with at least three OPERABLE service water pumps.

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

ACTION:

a. In CONDITION 1, 2, or 3:

1. With only two service water pumps OPERABLE, restore at least three pumps 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.
2. With only one service water pump OPERABLE, restore at least two pumps to OPERABLE status within 72 hours and restore at least three pumps to OPERABLE status within 7 days from the time of the initial loss or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

b. In Condition 4 or 5:

1. With only one service water pump OPERABLE, restore at least two service water pumps to OPERABLE status within 14 days or declare the Core Spray System, the LPCI System, and the diesel generators inoperable and take the ACTION required by Specifications 3.5.3.1, 3.5.3.2, and 3.8.1.2.
2. With the Service Water System nuclear header inoperable, maintain the Unit No. 2 Service Water nuclear header OPERABLE with at least three Unit No. 2 Service water pumps OPERABLE and restore the Service Water System nuclear header to OPERABLE status within 14 days or declare the diesel generators inoperable and take the ACTION required by Specification 3.8.1.2.
3. With the Service Water System nuclear header inoperable, maintain the Service Water System conventional header OPERABLE with at least two service water pumps OPERABLE and restore the Service Water System nuclear header to OPERABLE status within 14 days or declare the Core Spray System and LPCI System inoperable and take the ACTION required by Specifications 3.5.3.1 and 3.5.3.2 or comply with the requirements of Special Test Exception 3.10.6.

SURVEILLANCE REQUIREMENTS (Continued)

4.7.1.2 The service water system shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety related equipment 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 equipment actuates to its correct position on the appropriate ECCS actuation test signals.

SPECIAL TEST EXCEPTIONS

3/4 10.6 PLANT SERVICE WATER

LIMITING CONDITION FOR OPERATION

3.10.6 The provisions of Specification 3.7.1.2b3 may be suspended to permit isolating and draining the service water nuclear header for maintenance provided that:

1. The service water conventional header is lined up to supply cooling water to the required ECCS loads.
2. The draining/maintenance on the service water nuclear header will not affect the service water conventional system or lineup described in 1 above.
3. A dedicated qualified person will be assigned to initiate the service water conventional header should any of the following occur:
 - a. Any event occurs which requires ECCS actuation.
 - b. Primary coolant temperature exceeds 180°F.

SURVEILLANCE REQUIREMENTS

- 4.10.6.1 Prior to removing the service water nuclear header from service, verify that the service water conventional header is lined up to supply cooling water for ECCS by verifying that each valve servicing safety related equipment that is not locked is administratively controlled in its proper position.
- 4.10.6.2 Every four hours, verify that the primary coolant temperature is $\leq 180^{\circ}\text{F}$.

PLANT SYSTEMS

SERVICE WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.1.2 The service water system nuclear header shall be OPERABLE with at least three OPERABLE service water pumps.

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

ACTION:

a. In CONDITION 1, 2, or 3:

1. With only two service water pumps OPERABLE, restore at least three pumps 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.
2. With only one service water pump OPERABLE, restore at least two pumps to OPERABLE status within 72 hours and restore at least three pumps to OPERABLE status within 7 days from the time of the initial loss or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

b. In Condition 4 or 5:

1. With only one service water pump OPERABLE, restore at least two service water pumps to OPERABLE status within 14 days or declare the Core Spray System, the LPCI System, and the diesel generators inoperable and take the ACTION required by Specifications 3.5.3.1, 3.5.3.2, and 3.8.1.2.
2. With the Service Water System nuclear header inoperable, maintain the Unit No. 1 Service Water nuclear header OPERABLE with at least three Unit No. 1 Service water pumps OPERABLE and restore the Service Water System nuclear header to OPERABLE status within 14 days or declare the diesel generators inoperable and take the ACTION required by Specification 3.8.1.2.
3. With the Service Water System nuclear header inoperable, maintain the Service Water System conventional header OPERABLE with at least two service water pumps OPERABLE and restore the Service Water System nuclear header to OPERABLE status within 14 days or declare the Core Spray System and LPCI System inoperable and take the ACTION required by Specifications 3.5.3.1 and 3.5.3.2 or comply with the requirements of Special Test Exception 3.10.5.

SURVEILLANCE REQUIREMENTS (Continued)

4.7.1.2 The service water system shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety related equipment 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 equipment actuates to its correct position on the appropriate ECCS actuation test signals.

SPECIAL TEST EXCEPTIONS

3/4 10.5 PLANT SERVICE WATER

LIMITING CONDITION FOR OPERATION

3.10.5 The provisions of Specification 3.7.1.2b3 may be suspended to permit isolating and draining the service water nuclear header for maintenance provided that:

1. The service water conventional header is lined up to supply cooling water to the required ECCS loads.
2. The draining/maintenance on the service water nuclear header will not affect the service water conventional system or lineup described in 1 above.
3. A dedicated qualified person will be assigned to initiate the service water conventional header should any of the following occur:
 - a. Any event occurs which requires ECCS actuation.
 - b. Primary coolant temperature exceeds 180°F.

SURVEILLANCE REQUIREMENTS

- 4.10.5.1 Prior to removing the service water nuclear header from service, verify that the service water conventional header is lined up to supply cooling water for ECCS by verifying that each valve servicing safety related equipment that is not locked is administratively controlled in its proper position.
- 4.10.5.2 Every four hours, verify that the primary coolant temperature is $\leq 180^{\circ}\text{F}$.