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## LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

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**TABLE 3 3-3 (Continued)**  
**ACTION STATEMENTS (Continued)**

- ACTION 24 -** With the number of OPERABLE channels one less than the Total Number of Channels, restore the Inoperable channel to OPERABLE status within 48 hours or declare the associated valve Inoperable and take the ACTION required by Specification 3.7.1.5.
- ACTION 25 -** With the number of OPERABLE channels one less than the Minimum Channels OPERABLE requirement, restore the Inoperable channel to OPERABLE status within 24 hours, or be in at least HOT STANDBY within the next 6 hours; however, one channel may be bypassed for up to 4 hours for surveillance testing per Specification 4.3.2.1 provided the other channel is OPERABLE.
- ACTION 26 -** With the number of OPERABLE channels one less than the Minimum Channels OPERABLE requirement, declare the affected Auxiliary Feedwater Pump Inoperable and take ACTION required by Specification 3.7.1.2.
- ACTION 27 -** For an Inoperable channel, declare its associated ventilation train Inoperable and apply the actions of Specification 3.7.7.
- ACTION 28 -**
- a. With the number of OPERABLE channels one less than the Minimum Channels OPERABLE requirement, within 7 days Initiate and maintain operation of the Control Room Makeup and Cleanup Filtration System (at 100% capacity) in the recirculation and makeup filtration mode.
  - b. With the number of OPERABLE channels two less than the Minimum Channels OPERABLE requirement, within 1 hour Initiate and maintain operation of the Control Room Makeup and Cleanup Filtration System (at 100% capacity) in the recirculation and makeup filtration mode, OR  
  
 Immediately suspend CORE ALTERATIONS, movement of Irradiated fuel assemblies and crane operations with loads over the spent fuel pool, AND within 12 hours Initiate and maintain operation of the Control Room Makeup and Cleanup Filtration System (at 100% capacity) in the recirculation and makeup filtration mode. CORE ALTERATIONS, movement of Irradiated fuel assemblies, and crane operations with loads over the spent fuel pool are permitted during operation of the Control Room Makeup and Cleanup Filtration System (at 100% capacity) in the recirculation and makeup filtration mode.
  - c. With required ACTION 28a. or 28b. not met in MODE 1, 2, 3, or 4, Immediately suspend movement of Irradiated fuel assemblies and crane operations with loads over the spent fuel pool, AND be in MODE 3 in 6 hours and in MODE 5 in the following 30 hours.
  - d. With required ACTION 28a. or 28b. not met in MODE 5 or 6, immediately suspend CORE ALTERATIONS, movement of Irradiated fuel assemblies, and crane operations with loads over the spent fuel pool.
- ACTION 29 -** For an Inoperable channel, declare its associated ventilation train Inoperable and apply the actions of Specification 3.7.8.
- ACTION 30 -** With irradiated fuel in the spent fuel pool: With the number of OPERABLE channels less than the Minimum Channels OPERABLE requirement, fuel movement within the spent fuel pool or crane operation with loads over the spent fuel pool may proceed provided the FHB exhaust air filtration system is in operation and discharging through at least one train of HEPA filters and charcoal adsorbers.

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**INSTRUMENTATION**

**3/4.3.3 (Not Used)**

**SOUTH TEXAS - UNITS 1 & 2**

**3/4 3-50**

**Unit 1 Amendment No. 153**

**Unit 2 Amendment No. 141**

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TABLE 3.3-6

(Not Used)

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SOUTH TEXAS - UNITS 1 & 2

3/4 3-52

Unit 1 - Amendment No. 25,153

Unit 2 - Amendment No. 45,141

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TABLE 4.3-3 NOT USED

**SOUTH TEXAS - UNITS 1 & 2**

**3/4 3-53**

**Unit 1 Amendment No. 153**  
**Unit 2 Amendment No. 141**

TABLE 3.3-10 (Continued)

ACTION STATEMENTS (Continued)

- ACTION 39 -**
- a. With the number of OPERABLE channels one less than the Total Number of Channels requirements, restore one inoperable channel to OPERABLE status within 30 days, or submit a Special Report within the next 14 days outlining the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the inoperable instrumentation channels to OPERABLE status.
  - b. With the number of OPERABLE channels less than the Minimum Channels OPERABLE requirements, restore at least one inoperable channel to OPERABLE status within 7 days, or submit a Special Report within the next 14 days outlining the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the inoperable instrumentation channels to OPERABLE status.
- ACTION 40 -**
- a. With the number of OPERABLE channels less than the Minimum Channels OPERABLE requirements and with a functional diverse channel, restore at least one inoperable channel to OPERABLE status within 30 days, or submit a Special Report within the next 14 days outlining the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the inoperable instrumentation channels to OPERABLE status.
  - b. With the number of OPERABLE Channels less than the Minimum Channels OPERABLE requirements and with the diverse channel not functional, restore at least one inoperable channel to OPERABLE status within 7 days or submit a Special Report within the next 14 days outlining the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the inoperable instrumentation channels to OPERABLE status.
- ACTION 41 -**
- a. With the number of OPERABLE channels one less than the Required Number of Channels, either restore the system to OPERABLE status within 7 days if repairs are feasible without shutting down or submit a Special Report within 30 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.
  - b. With the number of OPERABLE Channels one less than the Minimum Channels OPERABLE in Table 3.3-10, either restore the inoperable channel(s) to OPERABLE status within 48 hours if repairs are feasible without shutting down or:
    - 1. Initiate an alternate method of monitoring the reactor vessel inventory;
    - 2. Submit a Special Report within 30 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status; and
    - 3. Restore the system to OPERABLE status at the next scheduled refueling.

TABLE 3.3-10 (Continued)

ACTION STATEMENTS (Continued)

- ACTION 42 -**
- a. With one required channel inoperable, restore the required channel to OPERABLE status within 30 days; otherwise, a Special Report shall be submitted within the next 14 days. The report shall outline the preplanned alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the instrumentation channels to OPERABLE status.
  - b. With two required channels inoperable, restore one required channel to OPERABLE status within 7 days; otherwise, be in HOT STANDBY within 6 hours, and in HOT SHUTDOWN in the next 6 hours.
- ACTION 43 -**
- a. With the number of OPERABLE channels two less than the Total Number of Channels requirements, restore the inoperable channel to OPERABLE status within 31 days, or be in at least HOT SHUTDOWN within the next 12 hours.
  - b. With the number of OPERABLE channels three less than the Total Number of Channels requirement, restore at least one inoperable channel to OPERABLE status within 7 days, or be in at least HOT SHUTDOWN within the next 12 hours.
  - c. With the number of OPERABLE channels less than the Minimum Channels Operable requirement, restore at least one inoperable channel to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.



## REACTOR COOLANT SYSTEM

### 3/4.4.6 REACTOR COOLANT SYSTEM LEAKAGE

#### LEAKAGE DETECTION SYSTEMS

#### LIMITING CONDITION FOR OPERATION

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3.4.6.1 The following Reactor Coolant System Leakage Detection Instrumentation shall be OPERABLE:

- a. One Containment Atmosphere Radioactivity Monitor (gaseous or particulate), and
- b. The Containment Normal Sump Level and Flow Monitoring System.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

- a. With the required containment atmosphere radioactivity monitor inoperable perform the following actions or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours:
  - 1) Restore one containment atmosphere monitoring system to OPERABLE status within 30 days and,
  - 2) Obtain and analyze a grab sample of the containment atmosphere for gaseous and particulate radioactivity at least once per 24 hours, or
  - 3) Perform a Reactor Coolant System water inventory balance at least once per 24 hours.
- b. With the required containment normal sump level and flow monitoring system inoperable perform the following actions or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours:
  - 1) Restore the containment normal sump and flow monitoring system to OPERABLE status within 30 days and,
  - 2) Perform a Reactor Coolant System water inventory balance at least once per 24 hours.
- c. With both a. and b. inoperable, enter 3.0.3.

#### SURVEILLANCE REQUIREMENTS

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4.4.6.1 The Leakage Detection Systems shall be demonstrated OPERABLE by:

- a. Containment Atmosphere Gaseous and Particulate Monitoring Systems performance of the following:
  - 1) CHANNEL CHECK at least once per 12 hours, and
  - 2) CHANNEL CALIBRATION at least once per 18 months
- b. Containment Normal Sump Level and Flow Monitoring System performance of CHANNEL CALIBRATION at least once per 18 months.