

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.5.2.2    Verify, for each required core spray (CS) subsystem, the:</p> <p>    a.    Suppression pool water level is <math>\geq</math> 146 inches; or</p> <p>    b.    -----NOTE-----                   Only one required CS subsystem may take credit for this option during OPDRVs.                   -----</p> <p>         Condensate storage tank water level is <math>\geq</math> 13 ft.</p>	<p>12 hours</p>
<p>SR 3.5.2.3    Verify, for each required ECCS injection/spray subsystem, the piping is filled with water from the pump discharge valve to the injection valve.</p>	<p>31 days</p>
<p>SR 3.5.2.4    -----NOTE-----                   One LPCI subsystem may be considered OPERABLE during alignment and operation for decay heat removal if capable of being manually realigned and not otherwise inoperable.                   -----</p> <p>         Verify each required ECCS injection/spray subsystem manual, power operated, and automatic valve in the flow path, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	<p>31 days</p>

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SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.5.2.2    Verify, for each required core spray (CS) subsystem, the:</p> <p>    a.    Suppression pool water level is <math>\geq</math> 146 inches; or</p> <p>    b.    -----NOTE-----                   Only one required CS subsystem may take credit for this option during OPDRVs.                   -----</p> <p>         Condensate storage tank water level is <math>\geq</math> 15 ft.</p>	<p>12 hours</p>
<p>SR 3.5.2.3    Verify, for each required ECCS injection/spray subsystem, the piping is filled with water from the pump discharge valve to the injection valve.</p>	<p>31 days</p>
<p>SR 3.5.2.4    -----NOTE-----                   One LPCI subsystem may be considered OPERABLE during alignment and operation for decay heat removal if capable of being manually realigned and not otherwise inoperable.                   -----</p> <p>         Verify each required ECCS injection/spray subsystem manual, power operated, and automatic valve in the flow path, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	<p>31 days</p>

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.5.2.2 Verify, for each required core spray (CS) subsystem, the:</p> <p>a. Suppression pool water level is <math>\geq 146</math> inches; or</p> <p>b. -----NOTE----- Only one required CS subsystem may take credit for this option during OPDRVs.</p> <p>-----</p> <p>Condensate storage tank water level is <math>\geq 12</math> ft. 13</p>	12 hours
<p>SR 3.5.2.3 Verify, for each required ECCS injection/spray subsystem, the piping is filled with water from the pump discharge valve to the injection valve.</p>	31 days
<p>SR 3.5.2.4 -----NOTE----- One LPCI subsystem may be considered OPERABLE during alignment and operation for decay heat removal if capable of being manually realigned and not otherwise inoperable.</p> <p>-----</p> <p>Verify each required ECCS injection/spray subsystem manual, power operated, and automatic valve in the flow path, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	31 days

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.5.2.2 Verify, for each required core spray (CS) subsystem, the:</p> <p>a. Suppression pool water level is <math>\geq 146</math> inches; or</p> <p>b. -----NOTE----- Only one required CS subsystem may take credit for this option during O&amp;DRVs. -----</p> <div data-bbox="397 719 730 893"> <p>Condensate storage tank water level is <math>\geq 12</math> ft. 15</p> </div>	12 hours
<p>SR 3.5.2.3 Verify, for each required ECCS injection/spray subsystem, the piping is filled with water from the pump discharge valve to the injection valve.</p>	31 days
<p>SR 3.5.2.4 -----NOTE----- One LPCI subsystem may be considered OPERABLE during alignment and operation for decay heat removal if capable of being manually realigned and not otherwise inoperable. -----</p> <p>Verify each required ECCS injection/spray subsystem manual, power operated, and automatic valve in the flow path, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	31 days

(continued)

Enclosure 4

Edwin I. Hatch Nuclear Plant  
Request to Revise Technical Specifications  
Condensate Storage Tank Level Indication

Associated Bases Revised Pages

BASES

SURVEILLANCE  
REQUIREMENTS

SR 3.5.2.1 and SR 3.5.2.2 (continued)

all ECCS injection/spray subsystems are inoperable unless they are aligned to an OPERABLE CST.

When suppression pool level is  $< 146$  inches, the CS System is considered OPERABLE only if it can take suction from the CST, and the CST water level is sufficient to provide the required NPSH for the CS pump. Therefore, a verification that either the suppression pool water level is  $\geq 146$  inches or that CS is aligned to take suction from the CST and the CST contains  $\geq 150,000$  gallons of water, equivalent to 13 ft, ensures that the CS System can supply at least 50,000 gallons of makeup water to the RPV. The CS suction is uncovered at the 100,000 gallon level. However, as noted, only one required CS subsystem may take credit for the CST option during OPDRVs. During OPDRVs, the volume in the CST may not provide adequate makeup if the RPV were completely drained. Therefore, only one CS subsystem is allowed to use the CST. This ensures the other required ECCS subsystem has adequate makeup volume.

The 12 hour Frequency of these SRs was developed considering operating experience related to suppression pool water level and CST water level variations and instrument drift during the applicable MODES. Furthermore, the 12 hour Frequency is considered adequate in view of other indications available in the control room, including alarms, to alert the operator to an abnormal suppression pool or CST water level condition.

SR 3.5.2.3, SR 3.5.2.5, and SR 3.5.2.6

The Bases provided for SR 3.5.1.1, SR 3.5.1.7, and SR 3.5.1.10 are applicable to SR 3.5.2.3, SR 3.5.2.5, and SR 3.5.2.6, respectively. However, the LPCI flow rate requirement for SR 3.5.2.5 is based on a single pump, not the two pump flow rate requirement of SR 3.5.1.7.

SR 3.5.2.4

Verifying the correct alignment for manual, power operated, and automatic valves in the ECCS flow paths provides assurance that the proper flow paths will exist for ECCS

(continued)

BASES

SURVEILLANCE  
REQUIREMENTS

SR 3.5.2.1 and SR 3.5.2.2 (continued)

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When suppression pool level is < 146 inches, the CS System is considered OPERABLE only if it can take suction from the CST, and the CST water level is sufficient to provide the required NPSH for the CS pump. Therefore, a verification that either the suppression pool water level is  $\geq 146$  inches or that CS is aligned to take suction from the CST and the CST contains  $\geq 150,000$  gallons of water, equivalent to 15 ft, ensures that the CS System can supply at least 50,000 gallons of makeup water to the RPV. The CS suction is uncovered at the 100,000 gallon level. However, as noted, only one required CS subsystem may take credit for the CST option during OPDRVs. During OPDRVs, the volume in the CST may not provide adequate makeup if the RPV were completely drained. Therefore, only one CS subsystem is allowed to use the CST. This ensures the other required ECCS subsystem has adequate makeup volume.

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