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10 CFR 50.90

August 11, 2015

GO2-15-108

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Subject: **COLUMBIA GENERATING STATION, DOCKET NO. 50-397  
AFFECTED TECHNICAL SPECIFICATION PAGES SUPPORTING  
LICENSE AMENDMENT REQUEST FOR ADOPTION OF TECHNICAL  
SPECIFICATION TASK FORCE (TSTF) TRAVELER TSTF-423,  
REVISION 1, USING THE CONSOLIDATED LINE ITEM IMPROVEMENT  
PROCESS**

Reference: Letter, GO2-14-112, dated August 12, 2014, from WG Hettel (Energy Northwest) to NRC, "License Amendment Request for Adoption of Technical Specification Task Force (TSTF) Traveler TSTF-423, Revision 1, using the Consolidated Line Item Improvement Process"

Dear Sir or Madam:

Pursuant to communication with the NRC on August 4, 2015, attached are the affected Technical Specification (TS) pages related to Energy Northwest's License Amendment Request for Adoption of Technical Specification Task Force (TSTF) Traveler TSTF-423, Revision 1, using the Consolidated Line Item Improvement Process referenced above.

There is no substantive change from the original submittal dated August 12, 2014. The TS markup and clean pages originally provided with the submittal did not include sections of the TS that were not changed but that "rolled" to different pages due to the incorporation of the proposed amendment. These pages are provided now in addition to the pages that are changed by the amendment and were included in the original amendment. During the intervening year, affected pages of TS 3.6.1.5 and 3.6.2.3 were changed by NRC approved amendment 230, dated February 1, 2015.

The following attachments are included:

- Attachment 1 provides the existing TS pages marked up to show the proposed change.
- Attachment 2 provides revised (clean) TS pages.

No new commitments are being made by this letter.

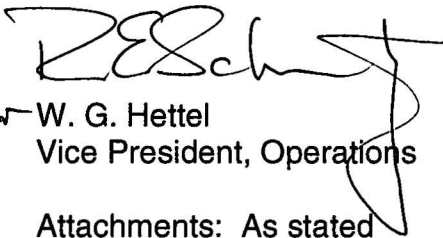
In accordance with 10 CFR 50.91, a copy of this document with attachments is being provided to the designated Washington State Official.

If you should have any questions regarding this submittal, please contact Ms. L. L. Williams, Licensing Supervisor, at 509-377-8148.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 8/5/15.

Respectfully,

  
for W. G. Hettel  
Vice President, Operations

Attachments: As stated

cc: NRC Region IV Administrator  
NRC NRR Project Manager  
NRC Sr. Resident Inspector - 988C  
CD Sonoda - BPA - 1399 (w/o enclosures)  
WA Horin - Winston & Strawn (email)  
RR Cowley - WDOH (email)  
JO Luce - EFSEC (email)

PROPOSED TECHNICAL SPECIFICATIONS CHANGES (MARK-UPS)

### 3.3 INSTRUMENTATION

#### 3.3.8.2 Reactor Protection System (RPS) Electric Power Monitoring

LCO 3.3.8.2 Two RPS electric power monitoring assemblies shall be OPERABLE for each inservice RPS motor generator set or alternate power supply that supports equipment required to be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
MODES 4 and 5 with both residual heat removal (RHR) shutdown cooling (SDC) suction isolation valves open,  
MODE 5 with any control rod withdrawn from a core cell containing one or more fuel assemblies.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or both required inservice power supplies with one electric power monitoring assembly inoperable.	A.1 Remove associated inservice power supply(s) from service.	72 hours
B. One or both required inservice power supplies with both electric power monitoring assemblies inoperable.	B.1 Remove associated inservice power supply(s) from service.	1 hour
C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.	<p>C.1 <del>-----NOTE-----</del>  LCO 3.0.4.a is not applicable when entering MODE 3.  <del>-----</del></p> <p>Be in MODE 3.</p> <p><del>AND</del></p> <p><del>C.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>

### 3.4 REACTOR COOLANT SYSTEM (RCS)

#### 3.4.4 Safety/Relief Valves (SRVs) - < 25% RTP

LCO 3.4.4 The safety function of four SRVs shall be OPERABLE.

APPLICABILITY: MODE 1 with THERMAL POWER < 25% RTP,  
MODES 2 and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One <del>or more</del> required SRVs inoperable.	<p>A.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <del>-----</del></p> <p>Be in MODE 3.</p> <p><del>AND</del></p> <p><del>A.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
B. Two or more required SRVs inoperable.	<p>B.1 Be in MODE 3.</p> <p><del>AND</del></p> <p>B.2 Be in MODE 4.</p>	<p>12 hours</p> <p>36 hours</p>

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY												
SR 3.4.4.1	<p>Verify the safety function lift setpoints of the required SRVs are as follows:</p> <table><tr><th><u>Number of SRVs</u></th><th><u>Setpoint (psig)</u></th></tr><tr><td>2</td><td>1165 ± 34.9</td></tr><tr><td>4</td><td>1175 ± 35.2</td></tr><tr><td>4</td><td>1185 ± 35.5</td></tr><tr><td>4</td><td>1195 ± 35.8</td></tr><tr><td>4</td><td>1205 ± 36.1</td></tr></table>	<u>Number of SRVs</u>	<u>Setpoint (psig)</u>	2	1165 ± 34.9	4	1175 ± 35.2	4	1185 ± 35.5	4	1195 ± 35.8	4	1205 ± 36.1	In accordance with the Inservice Testing Program
<u>Number of SRVs</u>	<u>Setpoint (psig)</u>													
2	1165 ± 34.9													
4	1175 ± 35.2													
4	1185 ± 35.5													
4	1195 ± 35.8													
4	1205 ± 36.1													
SR 3.4.4.2	<p>-----NOTE-----</p> <p>Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test.</p> <p>-----</p> <p>Verify each required SRV opens when manually actuated.</p>	24 months												

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. Two ECCS injection subsystems inoperable.</p> <p><u>OR</u></p> <p>One ECCS injection and one ECCS spray subsystem inoperable.</p>	<p>C.1 Restore ECCS injection/spray subsystem to OPERABLE status.</p>	72 hours
<p>D. Required Action and associated Completion Time of Condition A, B, or C not met.</p>	<p>D.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----</p> <p>Be in MODE 3.</p> <p><u>AND</u></p> <p><del>D.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
<p>E. One required ADS valve inoperable.</p>	<p>E.1 Restore ADS valve to OPERABLE status.</p>	14 days
<p>F. One required ADS valve inoperable.</p> <p><u>AND</u></p> <p>One low pressure ECCS injection/spray subsystem inoperable.</p>	<p>F.1 Restore ADS valve to OPERABLE status.</p> <p><u>OR</u></p> <p>F.2 Restore low pressure ECCS injection/spray subsystem to OPERABLE status.</p>	<p>72 hours</p> <p>72 hours</p>

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>G. Required Action and associated Completion Time of Condition E or F not met.</p> <p><u>OR</u></p> <p>Two or more required ADS valves inoperable.</p>	<p>G.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <del>-----</del></p> <p>Be in MODE 3.</p> <p><u>AND</u></p> <p><del>G.2 Reduce reactor steam dome pressure to <math>\leq 150</math> psig.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
<p>H. HPCS and Low Pressure Core Spray (LPCS) Systems inoperable.</p> <p><u>OR</u></p> <p>Three or more ECCS injection/spray subsystems inoperable.</p> <p><u>OR</u></p> <p>HPCS System and one or more required ADS valves inoperable.</p> <p><u>OR</u></p> <p>Two or more ECCS injection/spray subsystems and one or more required ADS valves inoperable.</p>	<p>H.1 Enter LCO 3.0.3.</p>	<p>Immediately</p>



**SURVEILLANCE REQUIREMENTS**

SURVEILLANCE		FREQUENCY												
SR 3.5.1.1	Verify, for each ECCS injection/spray subsystem, the piping is filled with water from the pump discharge valve to the injection valve.	31 days												
SR 3.5.1.2	<p>-----NOTE-----</p> <p>Low pressure coolant injection (LPCI) subsystems may be considered OPERABLE during alignment and operation for decay heat removal with reactor steam dome pressure less than 48 psig in MODE 3, if capable of being manually realigned and not otherwise inoperable.</p> <p>-----</p> <p>Verify each 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												
SR 3.5.1.3	Verify ADS accumulator backup compressed gas system average pressure in the required bottles is $\geq 2200$ psig.	31 days												
SR 3.5.1.4	<p>Verify each ECCS pump develops the specified flow rate with the specified differential pressure between reactor and suction source.</p> <table> <tr> <th><u>SYSTEM</u></th><th><u>FLOW RATE</u></th><th><u>DIFFERENTIAL PRESSURE BETWEEN REACTOR AND SUCTION SOURCE</u></th></tr> <tr> <td>LPCS</td><td><math>\geq 6200</math> gpm</td><td><math>\geq 128</math> psid</td></tr> <tr> <td>LPCI</td><td><math>\geq 7200</math> gpm</td><td><math>\geq 26</math> psid</td></tr> <tr> <td>HPCS</td><td><math>\geq 6350</math> gpm</td><td><math>\geq 200</math> psid</td></tr> </table>	<u>SYSTEM</u>	<u>FLOW RATE</u>	<u>DIFFERENTIAL PRESSURE BETWEEN REACTOR AND SUCTION SOURCE</u>	LPCS	$\geq 6200$ gpm	$\geq 128$ psid	LPCI	$\geq 7200$ gpm	$\geq 26$ psid	HPCS	$\geq 6350$ gpm	$\geq 200$ psid	In accordance with the Inservice Testing Program
<u>SYSTEM</u>	<u>FLOW RATE</u>	<u>DIFFERENTIAL PRESSURE BETWEEN REACTOR AND SUCTION SOURCE</u>												
LPCS	$\geq 6200$ gpm	$\geq 128$ psid												
LPCI	$\geq 7200$ gpm	$\geq 26$ psid												
HPCS	$\geq 6350$ gpm	$\geq 200$ psid												

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.5.1.5	<p>-----NOTE----- Vessel injection/spray may be excluded. -----</p> <p>Verify each ECCS injection/spray subsystem actuates on an actual or simulated automatic initiation signal.</p>	24 months
SR 3.5.1.6	<p>-----NOTE----- Valve actuation may be excluded. -----</p> <p>Verify the ADS actuates on an actual or simulated automatic initiation signal.</p>	24 months
SR 3.5.1.7	<p>-----NOTE----- Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test. -----</p> <p>Verify each required ADS valve opens when manually actuated.</p>	24 months on a STAGGERED TEST BASIS for each valve solenoid
SR 3.5.1.8	<p>-----NOTE----- ECCS actuation instrumentation is excluded. -----</p> <p>Verify the ECCS RESPONSE TIME for each ECCS injection/spray subsystem is within limits.</p>	24 months

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.1.5 Residual Heat Removal (RHR) Drywell Spray

LCO 3.6.1.5 Two RHR drywell spray subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One RHR drywell spray subsystem inoperable.	A.1 Restore RHR drywell spray subsystem to OPERABLE status.	7 days <sup>(1)</sup>
B. Two RHR drywell spray subsystems inoperable.	B.1 Restore one RHR drywell spray subsystem to OPERABLE status.	8 hours
C. Required Action and associated Completion Time not met.	<p>C.1 <del>-----NOTE-----</del>  LCO 3.0.4.a is not applicable when entering MODE 3.  <del>-----</del></p> <p>Be in MODE 3.</p> <p><del>AND</del></p> <p><del>C.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>

<sup>(1)</sup> The Completion Time that one train of RHR (RHR-B) can be inoperable as specified by Required Action A.1 may be extended beyond the 7 day completion time up to 7 days to support restoration of RHR-B from the modification activity. Upon successful restoration of RHR-B, this footnote is no longer applicable and will expire at 05:00 PST on February 9, 2015.

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.1.6 Reactor Building-to-Suppression Chamber Vacuum Breakers

LCO 3.6.1.6      Each reactor building-to-suppression chamber vacuum breaker shall be OPERABLE.

APPLICABILITY:      MODES 1, 2, and 3.

#### ACTIONS

-----NOTE-----  
Separate Condition entry is allowed for each line.  
-----

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more lines with one reactor building-to-suppression chamber vacuum breaker not closed.	A.1      Close the open vacuum breaker.	72 hours
B. One or more lines with two reactor building-to-suppression chamber vacuum breakers not closed.	B.1      Close one open vacuum breaker.	1 hour
C. One line with one or more reactor building-to-suppression chamber vacuum breakers inoperable for opening.	C.1      Restore the vacuum breaker(s) to OPERABLE status.	72 hours
D. Required Action and associated Completion Time of Condition C not met.	D.1      -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----  Be in MODE 3.	12 hours.

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<del>D</del> E. Two or more lines with one or more reactor building-to-suppression chamber vacuum breakers inoperable for opening.	<del>D</del> E.1 Restore all vacuum breakers in two lines to OPERABLE status.	1 hour
<del>E</del> F. Required Action and associated Completion Time of Condition A, B or E not met.	<del>E</del> F.1 Be in MODE 3. <u>AND</u>	12 hours
	<del>E</del> F.2 Be in MODE 4.	36 hours

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.1.6.1	<p>-----NOTES-----</p> <ol style="list-style-type: none"> <li>Not required to be met for vacuum breakers that are open during Surveillances.</li> <li>Not required to be met for vacuum breakers open when performing their intended function.</li> </ol> <p>-----</p> <p>Verify each vacuum breaker is closed.</p>	14 days
SR 3.6.1.6.2	Perform a functional test of each vacuum breaker.	In accordance with the Inservice Testing Program
SR 3.6.1.6.3	Verify the full open setpoint of each vacuum breaker is $\leq 0.5$ psid.	24 months

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.1.7 Suppression Chamber-to-Drywell Vacuum Breakers

LCO 3.6.1.7      Seven suppression chamber-to-drywell vacuum breakers shall be OPERABLE for opening.

AND

Nine suppression chamber-to-drywell vacuum breakers shall be closed, except when performing their intended function.

APPLICABILITY:      MODES 1, 2, and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required suppression chamber-to-drywell vacuum breaker inoperable for opening.	A.1      Restore one vacuum breaker to OPERABLE status.	72 hours
B. Required Action and associated Completion Time of Condition A not met.	B.1      -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
BC.-----NOTE----- Separate Condition entry is allowed for each suppression chamber-to-drywell vacuum breaker. -----  One or more suppression chamber-to-drywell vacuum breakers with one disk not closed.	BC.1      Close the open vacuum breaker disk.	72 hours

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<del>C</del> D. One or more suppression chamber-to-drywell vacuum breakers with two disks not closed.	<del>C</del> D.1 Close one open vacuum breaker disk.	2 hours
<del>D</del> E. Required Action and associated Completion Time of Condition C or D not met.	<del>D</del> E.1 Be in MODE 3. <u>AND</u>	12 hours
	<del>D</del> E.2 Be in MODE 4.	36 hours

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.1.7.1	<p>-----NOTE----- Not required to be met for vacuum breakers that are open during Surveillances. -----</p> <p>Verify each vacuum breaker is closed.</p>	14 days
SR 3.6.1.7.2	Perform a functional test of each required vacuum breaker.	<p>31 days</p> <p><u>AND</u></p> <p>Within 12 hours after any discharge of steam to the suppression chamber from the safety/relief valves</p>
SR 3.6.1.7.3	Verify the full open setpoint of each required vacuum breaker is $\leq 0.5$ psid.	24 months

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.2.3 Residual Heat Removal (RHR) Suppression Pool Cooling

LCO 3.6.2.3 Two RHR suppression pool cooling subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One RHR suppression pool cooling subsystem inoperable.	A.1 Restore RHR suppression pool cooling subsystem to OPERABLE status.	7 days <sup>(1)</sup>
B. Required Action and associated Completion Time of Condition A not met.  <u>OR</u> <del>Two RHR suppression pool cooling subsystems inoperable.</del>	B.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3. <u>AND</u> <del>B.2 Be in MODE 4.</del>	12 hours <del>36 hours</del>
C. Two RHR suppression pool cooling subsystems inoperable.	C.1 Be in MODE 3. <u>AND</u> C.2 Be in MODE 4.	12 hours  36 hours

<sup>(1)</sup> The Completion Time that one train of RHR (RHR-B) can be inoperable as specified by Required Action A.1 may be extended beyond the 7 day completion time up to 7 days to support restoration of RHR-B from the modification activity. Upon successful restoration of RHR-B, this footnote is no longer applicable and will expire at 05:00 PST on February 9, 2015.



### 3.6 CONTAINMENT SYSTEMS

#### 3.6.4.1 Secondary Containment

LCO 3.6.4.1 The secondary containment shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
During operations with a potential for draining the reactor vessel  
(OPDRVs).

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Secondary containment inoperable in MODE 1, 2, or 3.	A.1 Restore secondary containment to OPERABLE status.	4 hours
B. Required Action and associated Completion Time of Condition A not met.	<p>B.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <del>-----</del></p> <p>Be in MODE 3.</p> <p><del>AND</del></p> <p><del>B.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
C. Secondary containment inoperable during OPDRVs.	C.1 Initiate action to suspend OPDRVs.	Immediately

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.4.3 Standby Gas Treatment (SGT) System

LCO 3.6.4.3 Two SGT subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
During operations with a potential for draining the reactor vessel  
(OPDRVs).

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One SGT subsystem inoperable.	A.1 Restore SGT subsystem to OPERABLE status.	7 days
B. Required Action and associated Completion Time of Condition A not met in MODE 1, 2, or 3.	<p>B.1 <u>-----NOTE-----</u> LCO 3.0.4.a is not applicable when entering MODE 3. <u>-----</u></p> <p>Be in MODE 3.</p> <p><u>AND</u></p> <p><del>B.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
C. Required Action and associated Completion Time of Condition A not met during OPDRVs.	<p>C.1 Place OPERABLE SGT subsystem in operation.</p> <p><u>OR</u></p> <p>C.2 Initiate action to suspend OPDRVs.</p>	<p>Immediately</p> <p>Immediately</p>
D. Two SGT subsystems inoperable in MODE 1, 2, or 3.	D.1 <u>-----NOTE-----</u> LCO 3.0.4.a is not applicable when entering MODE 3. <u>-----</u>	<del>Immediately</del>

CONDITION	REQUIRED ACTION	COMPLETION TIME
	Be in MODE 3. <del>LCO 3.0.3.</del> Enter	12 hours

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition B not met.	<p>C.1 <span style="color: blue;">-----NOTE-----</span>  <span style="color: blue;">LCO 3.0.4.a is not applicable when entering MODE 3.</span>  <span style="color: blue;">-----</span></p> <p>Be in MODE 3.</p>	12 hours
<p><span style="color: red;">C.D.</span> Required Action and associated Completion Time of Condition A <span style="color: red;">or B</span> not met.</p> <p><u>OR</u></p> <p>Both SW subsystems inoperable.</p> <p><u>OR</u></p> <p>UHS inoperable for reasons other than Condition A.</p>	<p><span style="color: red;">C.D.1</span> Be in MODE 3.</p> <p><u>AND</u></p> <p><span style="color: red;">C.D.2</span> Be in MODE 4.</p>	<p>12 hours</p> <p>36 hours</p>

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.1.1	Verify the average water level in the UHS spray ponds is $\geq$ 432 feet 9 inches mean sea level.	24 hours
SR 3.7.1.2	Verify the average water temperature of each UHS spray pond is $\leq$ 77°F.	24 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.1.3	<p>-----NOTE----- Isolation of flow to individual components does not render SW subsystem inoperable. -----</p> <p>Verify each SW subsystem manual, power operated, and automatic valve in the flow path servicing safety related systems or components, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	31 days
SR 3.7.1.4	Verify average sediment depth in each UHS spray pond is < 0.5 ft.	92 days
SR 3.7.1.5	Verify each SW subsystem actuates on an actual or simulated initiation signal.	24 months

# ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.	<p>C.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <del>-----</del></p> <p>Be in MODE 3.</p> <p><del>AND</del></p> <p><del>C.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
D. Required Action and associated Completion Time of Condition A not met during OPDRVs.	<p>D.1 Place OPERABLE CREF subsystem in pressurization mode.</p> <p><u>OR</u></p> <p>D.2 Initiate action to suspend OPDRVs.</p>	<p>Immediately</p> <p>Immediately</p>
E. Two CREF subsystems inoperable in MODE 1, 2, or 3 for reasons other than Condition B.	<p>E.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <del>-----</del></p> <p>Be in MODE 3.</p> <p><del>Enter LCO 3.0.3.</del></p>	<p><del>Immediately</del></p> <p>12 hours</p>
<p>F. Two CREF subsystems inoperable during OPDRVs.</p> <p><u>OR</u></p> <p>One or more CREF subsystems inoperable due to inoperable CRE boundary during OPDRVs.</p>	<p>F.1 Initiate action to suspend OPDRVs.</p>	<p>Immediately</p>

### 3.7 PLANT SYSTEMS

#### 3.7.4 Control Room Air Conditioning (AC) System

LCO 3.7.4 Two control room AC subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
During operations with a potential for draining the reactor vessel  
(OPDRVs).

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One control room AC subsystem inoperable.	A.1 Restore control room AC subsystem to OPERABLE status.	30 days
B. Two control room AC subsystems inoperable.	B.1 Verify control room area temperature < 90°F.  <u>AND</u>  B.2 Restore one control room AC subsystem to OPERABLE status.	Once per 4 hours     72 hours
C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.	C.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. -----  Be in MODE 3.  <u>AND</u>  <del>C. 2 Be in MODE 4.</del>	12 hours         <del>36 hours</del>

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. Required Action and associated Completion Time of Condition A not met during OPDRVs.	D.1 Place OPERABLE control room AC subsystem in operation.	Immediately
	<u>OR</u> D.2 Initiate action to suspend OPDRVs.	Immediately
E. Required Action and associated Completion Time of Condition B not met during OPDRVs.	E.1 Initiate action to suspend OPDRVs.	Immediately

#### SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.7.4.1 Verify each control room AC subsystem has the capability to remove the assumed heat load.	24 months



### 3.7 PLANT SYSTEMS

#### 3.7.5 Main Condenser Offgas

LCO 3.7.5 The gross gamma activity rate of the noble gases measured at the main condenser air ejector shall be  $\leq 332$  mCi/second after decay of 30 minutes.

APPLICABILITY: MODE 1,  
MODES 2 and 3 with any main steam line not isolated and steam jet air ejector (SJAE) in operation.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Gross gamma activity rate of the noble gases not within limit.	A.1 Restore gross gamma activity rate of the noble gases to within limit.	72 hours
B. Required Action and associated Completion Time not met.	B.1 Isolate all main steam lines.	12 hours
	<u>OR</u>	
	B.2 Isolate SJAE.	12 hours
	<u>OR</u>	
	B.3.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3 <del>-----</del>	
	Be in MODE 3. <del>B.3.2 Be in MODE 4.</del>	12 hours <del>36 hours</del>

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
F. Required Action and associated Completion Time of Condition A, B, C, D, or E not met.	<p>F.1 <span style="color: blue;">-----NOTE-----</span>  <span style="color: blue;">LCO 3.0.4.a is not applicable when entering MODE 3.</span>  <span style="color: blue;">-----</span></p> <p>Be in MODE 3.</p> <p><span style="color: red;"><u>AND</u></span></p> <p><span style="color: red;"><del>F.2 Be in MODE 4.</del></span></p>	<p>12 hours</p> <p><span style="color: red;">36 hours</span></p>
G. Three or more required AC sources inoperable.	G.1 Enter LCO 3.0.3.	Immediately

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.8.1.1	Verify correct breaker alignment and indicated power availability for each offsite circuit.	7 days
SR 3.8.1.2	<p><span style="color: blue;">-----NOTES-----</span></p> <ol style="list-style-type: none"> <li>All DG starts may be preceded by an engine prelube period and followed by a warmup period prior to loading.</li> <li>A modified DG start involving idling and gradual acceleration to synchronous speed may be used for this SR as recommended by the manufacturer. When modified start procedures are not used, the time, voltage, and frequency tolerances of SR 3.8.1.7 must be met.</li> </ol> <p><span style="color: blue;">-----</span></p> <p>Verify each required DG starts from standby conditions and achieves steady state:</p> <ol style="list-style-type: none"> <li>Voltage <math>\geq 3910</math> V and <math>\leq 4400</math> V and frequency <math>\geq 58.8</math> Hz and <math>\leq 61.2</math> Hz for DG-1 and DG-2; and</li> </ol>	31 days

SURVEILLANCE	FREQUENCY
b. Voltage $\geq 3910$ V and $\leq 4400$ V and frequency $\geq 58.8$ Hz and $\leq 61.2$ Hz for DG-3.	

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>H. Required Action and associated Completion Time of Condition B or E not met.</p> <p><u>OR</u></p> <p>Division 3 DC electrical power subsystem inoperable for reasons other than Condition B or E.</p>	<p>H.1 Declare High Pressure Core Spray System inoperable.</p>	<p>Immediately</p>
<p>I. Required Action and associated Completion Time of Condition C or F not met.</p> <p><u>OR</u></p> <p>Division 1 250 V DC electrical power subsystem inoperable for reasons other than Condition C or F.</p>	<p>I.1 Declare associated supported features inoperable.</p>	<p>Immediately</p>
<p>J. Required Action and associated Completion Time of Condition A or D not met.</p> <p><u>OR</u></p> <p>Required Action and associated Completion Time of Condition G not met.</p>	<p>J.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <del>-----</del></p> <p>Be in MODE 3.</p> <p><u>AND</u></p> <p><del>J.2 Be in MODE 4.</del></p>	<p>12 hours <del>36 hours</del></p>

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition A or B not met.	<p>C.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3.</p> <hr/> <p>Be in MODE 3.</p> <p><del>AND</del></p> <p><del>C.2 Be in MODE 4.</del></p>	<p>12 hours</p> <p><del>36 hours</del></p>
D. Division 1 250 V DC electrical power distribution subsystem inoperable.	D.1 Declare associated supported feature(s) inoperable.	Immediately
E. One or more Division 3 AC or DC electrical power distribution subsystems inoperable.	E.1 Declare High Pressure Core Spray System inoperable.	Immediately
F. Two or more divisions with inoperable electrical power distribution subsystems that result in a loss of function.	F.1 Enter LCO 3.0.3.	Immediately

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.8.7.1 Verify correct breaker alignments and indicated power availability to required AC and DC electrical power distribution subsystems.	7 days

PROPOSED TECHNICAL SPECIFICATIONS CHANGES (CLEAN)

### 3.3 INSTRUMENTATION

#### 3.3.8.2 Reactor Protection System (RPS) Electric Power Monitoring

LCO 3.3.8.2 Two RPS electric power monitoring assemblies shall be OPERABLE for each inservice RPS motor generator set or alternate power supply that supports equipment required to be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
MODES 4 and 5 with both residual heat removal (RHR) shutdown cooling (SDC) suction isolation valves open,  
MODE 5 with any control rod withdrawn from a core cell containing one or more fuel assemblies.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or both required inservice power supplies with one electric power monitoring assembly inoperable.	A.1 Remove associated inservice power supply(s) from service.	72 hours
B. One or both required inservice power supplies with both electric power monitoring assemblies inoperable.	B.1 Remove associated inservice power supply(s) from service.	1 hour
C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.	C.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours

### 3.4 REACTOR COOLANT SYSTEM (RCS)

#### 3.4.4 Safety/Relief Valves (SRVs) - < 25% RTP

LCO 3.4.4 The safety function of four SRVs shall be OPERABLE.

APPLICABILITY: MODE 1 with THERMAL POWER < 25% RTP,  
MODES 2 and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required SRV inoperable.	<p>A.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----</p> <p>Be in MODE 3.</p>	12 hours
B. Two or more required SRVs inoperable.	<p>B.1 Be in MODE 3.</p> <p><u>AND</u></p> <p>B.2 Be in MODE 4.</p>	<p>12 hours</p> <p>36 hours</p>



## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY												
SR 3.4.4.1	<p>Verify the safety function lift setpoints of the required SRVs are as follows:</p> <table><thead><tr><th><u>Number of SRVs</u></th><th><u>Setpoint (psig)</u></th></tr></thead><tbody><tr><td>2</td><td>1165 ± 34.9</td></tr><tr><td>4</td><td>1175 ± 35.2</td></tr><tr><td>4</td><td>1185 ± 35.5</td></tr><tr><td>4</td><td>1195 ± 35.8</td></tr><tr><td>4</td><td>1205 ± 36.1</td></tr></tbody></table>	<u>Number of SRVs</u>	<u>Setpoint (psig)</u>	2	1165 ± 34.9	4	1175 ± 35.2	4	1185 ± 35.5	4	1195 ± 35.8	4	1205 ± 36.1	In accordance with the Inservice Testing Program
<u>Number of SRVs</u>	<u>Setpoint (psig)</u>													
2	1165 ± 34.9													
4	1175 ± 35.2													
4	1185 ± 35.5													
4	1195 ± 35.8													
4	1205 ± 36.1													
SR 3.4.4.2	<p>-----NOTE-----</p> <p>Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test.</p> <p>-----</p> <p>Verify each required SRV opens when manually actuated.</p>	24 months												

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. Two ECCS injection subsystems inoperable.</p> <p><u>OR</u></p> <p>One ECCS injection and one ECCS spray subsystem inoperable.</p>	<p>C.1 Restore ECCS injection/spray subsystem to OPERABLE status.</p>	72 hours
<p>D. Required Action and associated Completion Time of Condition A, B, or C not met.</p>	<p>D.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----  Be in MODE 3.</p>	12 hours
<p>E. One required ADS valve inoperable.</p>	<p>E.1 Restore ADS valve to OPERABLE status.</p>	14 days
<p>F. One required ADS valve inoperable.</p> <p><u>AND</u></p> <p>One low pressure ECCS injection/spray subsystem inoperable.</p>	<p>F.1 Restore ADS valve to OPERABLE status.</p> <p><u>OR</u></p> <p>F.2 Restore low pressure ECCS injection/spray subsystem to OPERABLE status.</p>	<p>72 hours</p> <p>72 hours</p>

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>G. Required Action and associated Completion Time of Condition E or F not met.</p> <p><u>OR</u></p> <p>Two or more required ADS valves inoperable.</p>	<p>G.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----</p> <p>Be in MODE 3.</p>	<p>12 hours</p>
<p>H. HPSCS and Low Pressure Core Spray (LPCS) Systems inoperable.</p> <p><u>OR</u></p> <p>Three or more ECCS injection/spray subsystems inoperable.</p> <p><u>OR</u></p> <p>HPSCS System and one or more required ADS valves inoperable.</p> <p><u>OR</u></p> <p>Two or more ECCS injection/spray subsystems and one or more required ADS valves inoperable.</p>	<p>H.1 Enter LCO 3.0.3.</p>	<p>Immediately</p>

**SURVEILLANCE REQUIREMENTS**

SURVEILLANCE		FREQUENCY												
SR 3.5.1.1	Verify, for each ECCS injection/spray subsystem, the piping is filled with water from the pump discharge valve to the injection valve.	31 days												
SR 3.5.1.2	<p>-----NOTE-----</p> <p>Low pressure coolant injection (LPCI) subsystems may be considered OPERABLE during alignment and operation for decay heat removal with reactor steam dome pressure less than 48 psig in MODE 3, if capable of being manually realigned and not otherwise inoperable.</p> <p>-----</p> <p>Verify each 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												
SR 3.5.1.3	Verify ADS accumulator backup compressed gas system average pressure in the required bottles is $\geq 2200$ psig.	31 days												
SR 3.5.1.4	<p>Verify each ECCS pump develops the specified flow rate with the specified differential pressure between reactor and suction source.</p> <table> <tr> <th><u>SYSTEM</u></th><th><u>FLOW RATE</u></th><th><u>DIFFERENTIAL PRESSURE BETWEEN REACTOR AND SUCTION SOURCE</u></th></tr> <tr> <td>LPCS</td><td><math>\geq 6200</math> gpm</td><td><math>\geq 128</math> psid</td></tr> <tr> <td>LPCI</td><td><math>\geq 7200</math> gpm</td><td><math>\geq 26</math> psid</td></tr> <tr> <td>HPCS</td><td><math>\geq 6350</math> gpm</td><td><math>\geq 200</math> psid</td></tr> </table>	<u>SYSTEM</u>	<u>FLOW RATE</u>	<u>DIFFERENTIAL PRESSURE BETWEEN REACTOR AND SUCTION SOURCE</u>	LPCS	$\geq 6200$ gpm	$\geq 128$ psid	LPCI	$\geq 7200$ gpm	$\geq 26$ psid	HPCS	$\geq 6350$ gpm	$\geq 200$ psid	In accordance with the Inservice Testing Program
<u>SYSTEM</u>	<u>FLOW RATE</u>	<u>DIFFERENTIAL PRESSURE BETWEEN REACTOR AND SUCTION SOURCE</u>												
LPCS	$\geq 6200$ gpm	$\geq 128$ psid												
LPCI	$\geq 7200$ gpm	$\geq 26$ psid												
HPCS	$\geq 6350$ gpm	$\geq 200$ psid												

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.5.1.5	<p>-----NOTE----- Vessel injection/spray may be excluded. -----</p> <p>Verify each ECCS injection/spray subsystem actuates on an actual or simulated automatic initiation signal.</p>	24 months
SR 3.5.1.6	<p>-----NOTE----- Valve actuation may be excluded. -----</p> <p>Verify the ADS actuates on an actual or simulated automatic initiation signal.</p>	24 months
SR 3.5.1.7	<p>-----NOTE----- Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test. -----</p> <p>Verify each required ADS valve opens when manually actuated.</p>	24 months on a STAGGERED TEST BASIS for each valve solenoid
SR 3.5.1.8	<p>-----NOTE----- ECCS actuation instrumentation is excluded. -----</p> <p>Verify the ECCS RESPONSE TIME for each ECCS injection/spray subsystem is within limits.</p>	24 months

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.1.5 Residual Heat Removal (RHR) Drywell Spray

LCO 3.6.1.5 Two RHR drywell spray subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One RHR drywell spray subsystem inoperable.	A.1 Restore RHR drywell spray subsystem to OPERABLE status.	7 days <sup>(1)</sup>
B. Two RHR drywell spray subsystems inoperable.	B.1 Restore one RHR drywell spray subsystem to OPERABLE status.	8 hours
C. Required Action and associated Completion Time not met.	C.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours

<sup>(1)</sup> The Completion Time that one train of RHR (RHR-B) can be inoperable as specified by Required Action A.1 may be extended beyond the 7 day completion time up to 7 days to support restoration of RHR-B from the modification activity. Upon successful restoration of RHR-B, this footnote is no longer applicable and will expire at 05:00 PST on February 9, 2015.

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.1.6 Reactor Building-to-Suppression Chamber Vacuum Breakers

LCO 3.6.1.6      Each reactor building-to-suppression chamber vacuum breaker shall be OPERABLE.

APPLICABILITY:      MODES 1, 2, and 3.

#### ACTIONS

-----NOTE-----  
Separate Condition entry is allowed for each line.  
-----

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more lines with one reactor building-to-suppression chamber vacuum breaker not closed.	A.1      Close the open vacuum breaker.	72 hours
B. One or more lines with two reactor building-to-suppression chamber vacuum breakers not closed.	B.1      Close one open vacuum breaker.	1 hour
C. One line with one or more reactor building-to-suppression chamber vacuum breakers inoperable for opening.	C.1      Restore the vacuum breaker(s) to OPERABLE status.	72 hours
D. Required Action and associated Completion Time of Condition C not met.	D.1      -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----  Be in MODE 3.	12 hours.

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. Two or more lines with one or more reactor building-to-suppression chamber vacuum breakers inoperable for opening.	E.1 Restore all vacuum breakers in two lines to OPERABLE status.	1 hour
F. Required Action and associated Completion Time of Condition A, B or E not met.	F.1 Be in MODE 3. <u>AND</u>	12 hours
	F.2 Be in MODE 4.	36 hours

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.1.6.1	<p>-----NOTES-----</p> <ol style="list-style-type: none"> <li>Not required to be met for vacuum breakers that are open during Surveillances.</li> <li>Not required to be met for vacuum breakers open when performing their intended function.</li> </ol> <p>-----</p> <p>Verify each vacuum breaker is closed.</p>	14 days
SR 3.6.1.6.2	Perform a functional test of each vacuum breaker.	In accordance with the Inservice Testing Program
SR 3.6.1.6.3	Verify the full open setpoint of each vacuum breaker is $\leq 0.5$ psid.	24 months



### 3.6 CONTAINMENT SYSTEMS

#### 3.6.1.7 Suppression Chamber-to-Drywell Vacuum Breakers

LCO 3.6.1.7      Seven suppression chamber-to-drywell vacuum breakers shall be OPERABLE for opening.

AND

Nine suppression chamber-to-drywell vacuum breakers shall be closed, except when performing their intended function.

APPLICABILITY:      MODES 1, 2, and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required suppression chamber-to-drywell vacuum breaker inoperable for opening.	A.1      Restore one vacuum breaker to OPERABLE status.	72 hours
B. Required Action and associated Completion Time of Condition A not met.	B.1      -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
C. -----NOTE----- Separate Condition entry is allowed for each suppression chamber-to-drywell vacuum breaker. ----- One or more suppression chamber-to-drywell vacuum breakers with one disk not closed.	C.1      Close the open vacuum breaker disk.	72 hours

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. One or more suppression chamber-to-drywell vacuum breakers with two disks not closed.	D.1 Close one open vacuum breaker disk.	2 hours
E. Required Action and associated Completion Time of Condition C or D not met.	E.1 Be in MODE 3. <u>AND</u>	12 hours
	E.2 Be in MODE 4.	36 hours

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.6.1.7.1	<p>-----NOTE----- Not required to be met for vacuum breakers that are open during Surveillances. -----</p> <p>Verify each vacuum breaker is closed.</p>	14 days
SR 3.6.1.7.2	Perform a functional test of each required vacuum breaker.	<p>31 days</p> <p><u>AND</u></p> <p>Within 12 hours after any discharge of steam to the suppression chamber from the safety/relief valves</p>
SR 3.6.1.7.3	Verify the full open setpoint of each required vacuum breaker is $\leq 0.5$ psid.	24 months

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.2.3 Residual Heat Removal (RHR) Suppression Pool Cooling

LCO 3.6.2.3 Two RHR suppression pool cooling subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One RHR suppression pool cooling subsystem inoperable.	A.1 Restore RHR suppression pool cooling subsystem to OPERABLE status.	7 days <sup>(1)</sup>
B. Required Action and associated Completion Time of Condition A not met.	B.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
C. Two RHR suppression pool cooling subsystems inoperable.	C.1 Be in MODE 3.	12 hours
	<u>AND</u> C.2 Be in MODE 4.	36 hours

<sup>(1)</sup> The Completion Time that one train of RHR (RHR-B) can be inoperable as specified by Required Action A.1 may be extended beyond the 7 day completion time up to 7 days to support restoration of RHR-B from the modification activity. Upon successful restoration of RHR-B, this footnote is no longer applicable and will expire at 05:00 PST on February 9, 2015.

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.4.1 Secondary Containment

LCO 3.6.4.1 The secondary containment shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
During operations with a potential for draining the reactor vessel  
(OPDRVs).

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Secondary containment inoperable in MODE 1, 2, or 3.	A.1 Restore secondary containment to OPERABLE status.	4 hours
B. Required Action and associated Completion Time of Condition A not met.	B.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
C. Secondary containment inoperable during OPDRVs.	C.1 Initiate action to suspend OPDRVs.	Immediately

### 3.6 CONTAINMENT SYSTEMS

#### 3.6.4.3 Standby Gas Treatment (SGT) System

LCO 3.6.4.3 Two SGT subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
During operations with a potential for draining the reactor vessel  
(OPDRVs).

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One SGT subsystem inoperable.	A.1 Restore SGT subsystem to OPERABLE status.	7 days
B. Required Action and associated Completion Time of Condition A not met in MODE 1, 2, or 3.	B.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
C. Required Action and associated Completion Time of Condition A not met during OPDRVs.	C.1 Place OPERABLE SGT subsystem in operation.  <u>OR</u> C.2 Initiate action to suspend OPDRVs.	Immediately  Immediately
D. Two SGT subsystems inoperable in MODE 1, 2, or 3.	D.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition B not met.	C.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
D. Required Action and associated Completion Time of Condition A not met.  <u>OR</u>  Both SW subsystems inoperable.  <u>OR</u>  UHS inoperable for reasons other than Condition A.	D.1 Be in MODE 3.  <u>AND</u>  D.2 Be in MODE 4.	12 hours   36 hours

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.1.1	Verify the average water level in the UHS spray ponds is $\geq$ 432 feet 9 inches mean sea level.	24 hours
SR 3.7.1.2	Verify the average water temperature of each UHS spray pond is $\leq$ 77°F.	24 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.1.3	<p>-----NOTE----- Isolation of flow to individual components does not render SW subsystem inoperable. -----</p> <p>Verify each SW subsystem manual, power operated, and automatic valve in the flow path servicing safety related systems or components, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	31 days
SR 3.7.1.4	Verify average sediment depth in each UHS spray pond is < 0.5 ft.	92 days
SR 3.7.1.5	Verify each SW subsystem actuates on an actual or simulated initiation signal.	24 months

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.	<p>C.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----</p> <p>Be in MODE 3.</p>	12 hours
D. Required Action and associated Completion Time of Condition A not met during OPDRVs.	<p>D.1 Place OPERABLE CREF subsystem in pressurization mode.</p> <p><u>OR</u></p> <p>D.2 Initiate action to suspend OPDRVs.</p>	<p>Immediately</p> <p>Immediately</p>
E. Two CREF subsystems inoperable in MODE 1, 2, or 3 for reasons other than Condition B.	<p>E.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----</p> <p>Be in MODE 3.</p>	12 hours
<p>F. Two CREF subsystems inoperable during OPDRVs.</p> <p><u>OR</u></p> <p>One or more CREF subsystems inoperable due to inoperable CRE boundary during OPDRVs.</p>	<p>F.1 Initiate action to suspend OPDRVs.</p>	Immediately



### 3.7 PLANT SYSTEMS

#### 3.7.4 Control Room Air Conditioning (AC) System

LCO 3.7.4 Two control room AC subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,  
During operations with a potential for draining the reactor vessel  
(OPDRVs).

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One control room AC subsystem inoperable.	A.1 Restore control room AC subsystem to OPERABLE status.	30 days
B. Two control room AC subsystems inoperable.	B.1 Verify control room area temperature < 90°F.	Once per 4 hours
	<u>AND</u> B.2 Restore one control room AC subsystem to OPERABLE status.	72 hours
C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.	C.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. Required Action and associated Completion Time of Condition A not met during OPDRVs.	D.1 Place OPERABLE control room AC subsystem in operation.	Immediately
	<u>OR</u> D.2 Initiate action to suspend OPDRVs.	Immediately
E. Required Action and associated Completion Time of Condition B not met during OPDRVs.	E.1 Initiate action to suspend OPDRVs.	Immediately

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.7.4.1 Verify each control room AC subsystem has the capability to remove the assumed heat load.	24 months

### 3.7 PLANT SYSTEMS

#### 3.7.5 Main Condenser Offgas

LCO 3.7.5 The gross gamma activity rate of the noble gases measured at the main condenser air ejector shall be  $\leq 332$  mCi/second after decay of 30 minutes.

APPLICABILITY: MODE 1,  
MODES 2 and 3 with any main steam line not isolated and steam jet air ejector (SJAE) in operation.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Gross gamma activity rate of the noble gases not within limit.	A.1 Restore gross gamma activity rate of the noble gases to within limit.	72 hours
B. Required Action and associated Completion Time not met.	B.1 Isolate all main steam lines. <u>OR</u>	12 hours
	B.2 Isolate SJAE. <u>OR</u>	12 hours
	B.3 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3 ----- Be in MODE 3.	12 hours

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
F. Required Action and associated Completion Time of Condition A, B, C, D, or E not met.	F.1 -----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. ----- Be in MODE 3.	12 hours
G. Three or more required AC sources inoperable.	G.1 Enter LCO 3.0.3.	Immediately

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.8.1.1	Verify correct breaker alignment and indicated power availability for each offsite circuit.	7 days
SR 3.8.1.2	<p>-----NOTES-----</p> <ol style="list-style-type: none"> <li>All DG starts may be preceded by an engine prelube period and followed by a warmup period prior to loading.</li> <li>A modified DG start involving idling and gradual acceleration to synchronous speed may be used for this SR as recommended by the manufacturer. When modified start procedures are not used, the time, voltage, and frequency tolerances of SR 3.8.1.7 must be met.</li> </ol> <p>-----</p> <p>Verify each required DG starts from standby conditions and achieves steady state:</p> <ol style="list-style-type: none"> <li>Voltage <math>\geq 3910</math> V and <math>\leq 4400</math> V and frequency <math>\geq 58.8</math> Hz and <math>\leq 61.2</math> Hz for DG-1 and DG-2; and</li> <li>Voltage <math>\geq 3910</math> V and <math>\leq 4400</math> V and frequency <math>\geq 58.8</math> Hz and <math>\leq 61.2</math> Hz for DG-3.</li> </ol>	31 days

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>H. Required Action and associated Completion Time of Condition B or E not met.</p> <p><u>OR</u></p> <p>Division 3 DC electrical power subsystem inoperable for reasons other than Condition B or E.</p>	<p>H.1 Declare High Pressure Core Spray System inoperable.</p>	<p>Immediately</p>
<p>I. Required Action and associated Completion Time of Condition C or F not met.</p> <p><u>OR</u></p> <p>Division 1 250 V DC electrical power subsystem inoperable for reasons other than Condition C or F.</p>	<p>I.1 Declare associated supported features inoperable.</p>	<p>Immediately</p>
<p>J. Required Action and associated Completion Time of Condition A or D not met.</p> <p><u>OR</u></p> <p>Required Action and associated Completion Time of Condition G not met.</p>	<p>J.1</p> <p>-----NOTE----- LCO 3.0.4.a is not applicable when entering MODE 3. -----</p> <p>Be in MODE 3.</p>	<p>12 hours</p>

## ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition A or B not met.	C.1 <del>-----NOTE-----</del> LCO 3.0.4.a is not applicable when entering MODE 3. <hr/> Be in MODE 3.	12 hours
D. Division 1 250 V DC electrical power distribution subsystem inoperable.	D.1 Declare associated supported feature(s) inoperable.	Immediately
E. One or more Division 3 AC or DC electrical power distribution subsystems inoperable.	E.1 Declare High Pressure Core Spray System inoperable.	Immediately
F. Two or more divisions with inoperable electrical power distribution subsystems that result in a loss of function.	F.1 Enter LCO 3.0.3.	Immediately

## SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.8.7.1      Verify correct breaker alignments and indicated power availability to required AC and DC electrical power distribution subsystems.	7 days