

ATTACHMENT TO LICENSE AMENDMENT NO. 75

TO FACILITY COMBINED LICENSE NO. NPF-93

DOCKET NO. 52-027

Replace the following pages of the Facility Combined License No. NPF-93 with the attached revised page(s). The revised pages are identified by amendment number and contain marginal lines indicating areas of change.

Facility Combined License No. NPF-93

REMOVE

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Facility Combined License No. NPF-93

Appendix A – Technical Specifications

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3.5.6-2

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3.5.6-3

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3.5.7-2

3.5.7-2

3.5.8-1

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Facility Combined License No. NPF-93

Appendix C - Inspections, Tests, Analyses and Acceptance Criteria

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- (b) SCE&G shall report any violation of a requirement in Section 2.D.(3), Section 2.D.(4), Section 2.D.(5), and Section 2.D.(6) of this license within 24 hours. Initial notification shall be made to the NRC Operations Center in accordance with 10 CFR 50.72, with written follow up in accordance with 10 CFR 50.73.

(8) Incorporation

The Technical Specifications, Environmental Protection Plan, and ITAAC in Appendices A, B, and C, respectively of this license, as revised through Amendment No. 75, are hereby incorporated into this license.

(9) Technical Specifications

The technical specifications in Appendix A to this license become effective upon a Commission finding that the acceptance criteria in this license (ITAAC) are met in accordance with 10 CFR 52.103(g).

(10) Operational Program Implementation

SCE&G shall implement the programs or portions of programs identified below, on or before the date SCE&G achieves the following milestones.

- (a) Environmental Qualification Program implemented before initial fuel load;
- (b) Reactor Vessel Material Surveillance Program implemented before initial criticality;
- (c) Preservice Testing Program implemented before initial fuel load;
- (d) Containment Leakage Rate Testing Program implemented before initial fuel load;
- (e) Fire Protection Program
  - 1. The fire protection measures in accordance with Regulatory Guide (RG) 1.189 for designated storage building areas (including adjacent fire areas that could affect the storage area) implemented before initial receipt of byproduct or special nuclear materials that are not fuel (excluding exempt quantities as described in 10 CFR 30.18);
  - 2. The fire protection measures in accordance with RG 1.189 for areas containing new fuel (including adjacent areas where a fire could affect the new fuel) implemented before receipt of fuel onsite;

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>D. IRWST boron concentration not within limits.</p> <p><u>OR</u></p> <p>IRWST borated water temperature not within limits.</p> <p><u>OR</u></p> <p>IRWST borated water volume &lt; 73,100 cu. ft. and ≥ 70,907 cu. ft.</p>	<p>D.1 Restore IRWST to OPERABLE status.</p>	<p>8 hours</p>
<p>E. One motor operated IRWST isolation valve not fully open.</p> <p><u>OR</u></p> <p>Power is not removed from one or more motor operated IRWST isolation valves.</p>	<p>E.1 Restore motor operated IRWST isolation valve to fully open condition with power removed from both valves.</p>	<p>1 hour</p>
<p>F. Required Action and associated Completion Time of Condition A, B, C, D, or E not met.</p> <p><u>OR</u></p> <p>LCO not met for reasons other than Condition A, B, C, D, or E.</p>	<p>F.1 Be in MODE 3.</p> <p><u>AND</u></p> <p>F.2 Be in MODE 5.</p>	<p>6 hours</p> <p>36 hours</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.5.6.1	Verify the IRWST water temperature is < 120°F.	24 hours
SR 3.5.6.2	Verify the IRWST borated water volume is ≥ 73,100 cu. ft.	24 hours
SR 3.5.6.3	Verify the volume of noncondensable gases in each of the four IRWST injection squib valve outlet line pipe stubs has not caused the high-point water level to drop below the sensor.	24 hours
SR 3.5.6.4	Verify the IRWST boron concentration is ≥ 2600 ppm and ≤ 2900 ppm.	31 days  <u>AND</u>  Once within 6 hours after each solution volume increase of ≥ 15,000 gal
SR 3.5.6.5	Verify each motor operated IRWST isolation valve is fully open.	12 hours
SR 3.5.6.6	Verify power is removed from each motor operated IRWST isolation valve.	31 days
SR 3.5.6.7	Verify each motor operated containment recirculation isolation valve is fully open.	31 days
SR 3.5.6.8	Verify each IRWST injection and containment recirculation squib valve is OPERABLE in accordance with the Inservice Testing Program.	In accordance with the Inservice Testing Program
SR 3.5.6.9	----- - NOTE - Squib actuation may be excluded. -----  Verify continuity of the circuit from the Protection Logic Cabinets to each IRWST injection and containment recirculation squib valve on an actual or simulated actuation signal.	24 months

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>D. IRWST boron concentration not within limits.</p> <p><u>OR</u></p> <p>IRWST borated water temperature not within limits.</p> <p><u>OR</u></p> <p>IRWST borated water volume &lt; 73,100 cu. ft. and <math>\geq</math> 70,907 cu. ft.</p>	<p>D.1 Restore IRWST to OPERABLE status.</p>	<p>8 hours</p>
<p>E. Required motor operated IRWST isolation valve not fully open.</p> <p><u>OR</u></p> <p>Power is not removed from required motor operated IRWST isolation valve.</p>	<p>E.1 Restore required motor operated IRWST isolation valve to fully open condition with power removed.</p>	<p>1 hour</p>
<p>F. Required Action and associated Completion Time of Condition A, B, C, D, or E not met.</p> <p><u>OR</u></p> <p>LCO not met for reasons other than Condition A, B, C, D, or E.</p>	<p>F.1 Initiate action to establish <math>\geq</math> 20% pressurizer level with the Reactor Coolant System (RCS) pressure boundary intact.</p> <p><u>AND</u></p> <p>F.2 Suspend positive reactivity additions.</p>	<p>Immediately</p> <p>Immediately</p>

3.5 PASSIVE CORE COOLING SYSTEM (PXS)

3.5.8 In-containment Refueling Water Storage Tank (IRWST) – Shutdown, MODE 6

LCO 3.5.8 The IRWST, with one injection flow path and one containment recirculation flow path, shall be OPERABLE.

APPLICABILITY: MODE 6.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Required motor operated containment recirculation isolation valve not fully open.	A.1 Open required motor operated containment recirculation isolation valve.	72 hours
B. Required IRWST injection flow path with noncondensable gas volume in one squib valve outlet line pipe stub not within limit.	B.1 Restore noncondensable gas volume in squib valve outlet line pipe stub to within limit.	72 hours
C. Required IRWST injection flow path with noncondensable gas volume in both squib valve outlet line pipe stubs not within limit.	C.1 Restore noncondensable gas volume in one squib valve outlet line pipe stub to within limit.	8 hours
D. IRWST and refueling cavity boron concentration not within limits.  <u>OR</u>  IRWST and refueling cavity borated water temperature not within limits.  <u>OR</u>  IRWST and refueling cavity borated water volume < 73,100 cu. ft. and ≥ 70,907 cu. ft.	D.1 Restore IRWST to OPERABLE status.	8 hours

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. Required motor operated IRWST isolation valve not fully open.  <u>OR</u>  Power is not removed from required motor operated IRWST isolation valve.	E.1 Restore required motor operated IRWST isolation valve to fully open condition with power removed.	1 hour
F. Required Action and associated Completion Time of Condition A, B, C, D, or E not met.  <u>OR</u>  LCO not met for reasons other than Condition A, B, C, D, or E.	F.1 Initiate action to establish water level $\geq 23$ feet above the top of the reactor vessel flange.  <u>AND</u>  F.2 Suspend positive reactivity additions.	Immediately    Immediately

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.5.8.1 Verify the IRWST and refueling cavity water temperature is $< 120^{\circ}\text{F}$ .	24 hours
SR 3.5.8.2 Verify the IRWST and refueling cavity water total borated water volume is $\geq 73,100$ cu. ft.	24 hours

Table 2.2.3-4  
Inspections, Tests, Analyses, and Acceptance Criteria

No.	ITAAC No.	Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
185	2.2.03.08c.iv.03	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	iv) Inspections of the elevation of the following pipe lines will be conducted: 3. CMT discharge lines to DVI connection	iv) The maximum elevation of the top inside surface of these lines is less than the elevation of: 3. CMT bottom inside surface
186	2.2.03.08c.iv.04	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	iv) Inspections of the elevation of the following pipe lines will be conducted: 4. PRHR HX outlet line to SG connection	iv) The maximum elevation of the top inside surface of these lines is less than the elevation of: 4. PRHR HX lower channel head top inside surface
187	2.2.03.08c.v.01	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	v) Inspections of the elevation of the following tanks will be conducted: 1. CMTs	v) The elevation of the bottom inside tank surface is higher than the direct vessel injection nozzle centerline by the following: 1. CMTs $\geq 7.5$ ft
188	2.2.03.08c.v.02	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	v) Inspections of the elevation of the following tanks will be conducted: 2. IRWST	v) The elevation of the bottom inside tank surface is higher than the direct vessel injection nozzle centerline by the following: 2. IRWST $\geq 3.4$ ft
189	2.2.03.08c.vi.01	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	vi) Inspections of each of the following tanks will be conducted: 1. CMTs	vi) The calculated volume of each of the following tanks is as follows: 1. CMTs $\geq 2487$ ft <sup>3</sup>
190	2.2.03.08c.vi.02	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	vi) Inspections of each of the following tanks will be conducted: 2. Accumulators	vi) The calculated volume of each of the following tanks is as follows: 2. Accumulators $\geq 2000$ ft <sup>3</sup>
191	2.2.03.08c.vi.03	8.c) The PXS provides RCS makeup, boration, and safety injection during design basis events.	vi) Inspections of each of the following tanks will be conducted: 3.–IRWST	vi) The calculated volume of each of the following tanks is as follows: 3. IRWST $\geq 73,100$ ft <sup>3</sup> between the tank outlet connection and the tank overflow