

• (DRN 04-1244, Am. 99)

## 5.7 COMPONENT CYCLIC OR TRANSIENT LIMITS

5.7-1 The components identified in Table 5.7-1 are designed and shall be maintained within the cyclic or transient limits of Table 5.7-1.

TABLE 5.7-1

### COMPONENT CYCLIC OR TRANSIENT LIMITS

<u>COMPONENT</u>	<u>CYCLIC OR TRANSIENT LIMIT</u>	<u>DESIGN CYCLE OR TRANSIENT</u>
Reactor Coolant System	500 system heatup cycles and 500 cooldown cycles at rates $\leq 100$ °F / hr.	Heatup cycle Tcold from $\leq 70$ °F to $\geq 541$ °F; cooldown cycle Tcold from $\geq 541$ °F to $\leq 70$ °F.
	• (DRN 06-1000, Am. 110)  200 pressurizer heatup and cooldown cycles at rates $\leq 200$ °F / hr.	Heatup cycle – Pressurizer temperature from $< 70$ °F to $> 653$ °F; cooldown cycle $\geq 653$ °F to $\leq 70$ °F
	• (DRN 06-1000, Am. 110)  10 hydrostatic testing cycles.	RCS pressurized to 3125 psia with RCS temperature $\geq 60$ °F above the most limiting components' NDTT value.
	200 leak testing cycles.	RCS pressurized to 2250 psia with RCS temperature greater than minimum for hydrostatic testing, but less than 400 °F.
	200 seismic stress cycles.	Subjection to a seismic event equal to the operating basis earthquake (OBE).
	480 cycles (any combination) of reactor trip, turbine trip, or complete loss of forced reactor coolant flow.	Trip from 100% of RATED THERMAL POWER; Turbine trip (total load rejection from 100% of RATED THERMAL POWER followed by resulting reactor trip; simultaneous loss of all reactor coolant pumps at 100% of RATED THERMAL POWER.
	5 complete loss of secondary pressure cycles.	Loss of secondary pressure from either steam generator while in MODE 1, 2, or 3.

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