

Table 6.3-1

EMERGENCY CORE COOLING SYSTEMS EQUIPMENT DESIGN DATA SUMMARY

Function	Number Installed- Individual Capacity	Design Flow (each)		Pressure Range psig	AC Power Required for Initiation	Source of Water	Backup Systems
		flow	psid*				
HPCI	1-100%	5000 gpm @ 1120/1174****	to 150	1120/1174**** to 150	None	Condensate Storage Tank and Pressure Suppression Pool	Auto Depress. with either Core Spray or LPCI
Automatic Depressurization System	6- 25%	865,000 lb/hr @ 1105		1136/1169***** to 50	None	N/A	Remote-Manual Main Steam Relief Valves
Core Spray	2-100%***	6250 gpm @ 105		289 to 0	Normal Aux. or Standby Diesel Gen.	Pressure Suppression Pool	LPCI
LPCI	4- 50%	20,000 gpm @ 0 (2 pumps per loop) 10,800 gpm @ 0 (1 pump per loop)		319.5 to 0	Normal Aux. or Standby Diesel Gen.	Pressure Suppression Pool	Core Spray System

*psid- pounds per square inch differential between reactor vessel and primary containment

** (Deleted).

***2-100% capacity systems each having 2-50% capacity pumps

****Preuprate/Uprate Full rated flow of 5000 gpm is only required between 150 and 1120 psid. See Table 6.5-2 for flow rates credited for LOCA for pressures above 1120 psid. Otherwise, pressures above 1120 psid are representative of conditions where HPCI is required to serve as backup to RCIC which produces significantly less flow (~600 gpm).

*****Preuprate/Uprate, 1169 is calculated from the lowest MSRV setpoint + 3%.