

Table 4.7-1

REACTOR CORE ISOLATION COOLING SYSTEM TURBINE - PUMP DESIGN DATA

<u>PUMP</u>			
Number required - 1		Design Temperature - 40°F to 140°F	
Capacity - 100%		Design Pressure - 1500 psig	
		NPSH - 20 ft (minimum)	
Developed Head -			
(pre-uprated)	2800 ft	@ 1135 psia reactor pressure	
(uprated)	2930 ft	@ 1189 psia reactor pressure	
	525 ft	@ 165 psia reactor pressure	
Flow Rate			
		Injection Flow	600 gpm
		Cooling Water Flow	16 gpm
		Total Pump Discharge	616 gpm

<u>TURBINE</u>			
Number required - 1			
Capacity - 100%			
Steam Inlet Pressure range (psig)			
(pre-uprated)		150 to 1120 (saturated)	
(uprated)		150 to 1174 (saturated)	
Steam Exhaust Pressure (psia)			
		25 (Unit 1)	
		32 (Unit 2), 29 (Unit 3)	