

TABLE 10.5-1

FUEL POOL COOLING AND CLEANUP
SYSTEM SPECIFICATIONS

| SYSTEM FUNCTION | SYSTEM SPECIFICATION |
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| RATED CORE THERMAL POWER | 3,293 MWt (pre-uprated) 3,458 MWt (uprated) |
| TOTAL POOL, WELL, AND PIT VOLUME | 106,881 cu ft |
| FUEL STORAGE POOL VOLUME | 51,340 cu ft |
| SYSTEM DESIGN FLOW (1 PUMP) | 600 gpm |
| MAXIMUM FLOW (2 PUMPS) | 1,200 gpm |
| PUMP CHARACTERISTICS (1 PUMP) | 600 gpm, 330 ft TDH |
| FPC HEAT EXCHANGER (1) - DESIGN CAPACITY | 4.4 x 10 ⁶ Btu/hr/Hx. |
| Fuel Pool Flow: 600 gpm; Temp. 125°F / RBCCW Flow: 750 gpm; Temp. 100°F | |
| RHR HEAT EXCHANGER (1) - DESIGN CAPACITY | 19.3 X 10 ⁶ Btu/hr/Hx. |
| Fuel Pool Flow: 800 gpm; Temp. 150°F / RHRSW Flow: 4500 gpm; Temp. 95°F | |
| | 34.0 X 10 ⁶ Btu/hr/Hx. |
| Fuel Pool Flow: 2000 gpm; Temp. 150°F / RHRSW Flow: 4500 gpm; Temp. 95°F | |
| FILTER DEMINERALIZER | 270 sq ft, 550 gpm 20 psi max dp (dirty) |
| HOLDING PUMP FLOW | 27 gpm |
| PRECOAT FLOW | 405 gpm |
| FUEL POOL SPECIFIC CONDUCTIVITY | ≤ 10.0 μmho/cm |
| FUEL POOL CHLORIDE | ≤ 500 ppb |