

SECONDARY SHIELD DESIGN PARAMETERS

Core power density @ 3391 MWt	103.9 w/cc
Reactor coolant liquid volume	12,600 ft ³ ¹
Reactor coolant transit times:	
Core	0.8 sec.
Core exit to steam generator inlet	2.1 sec.
Steam generator inlet channel	0.7 sec.
Steam generator tubes	3.7 sec.
Steam generator tubes to vessel inlet	2.1 sec.
Vessel inlet to core	2.2 sec.
Total Out of Core	10.8 sec.
Total power dose rate outside secondary shield	<1 mrem/hr

¹ This value has been conservatively chosen for the purpose of shield design. Actual best-estimated reactor coolant systems volumes can be obtained from the current Westinghouse IMP databases.