

BFN-28

Table 3.3-1

REACTOR VESSEL INTERNALS, DESIGN DATA

Core Shroud		Jet Pumps	
Upper Portion,o.d.,in.	220	Number	20
Central Portion,o.d.,in.	207	Throat Diameter, in.	8.18
Lower Portion,o.d.,in.	201	Weight, lb.	22,700
Central Portion, thickness, in.	2	Original Steam Dryers	
Weight, lb.	116,900	Weight, lb	90,000
Shroud Head-Steam Separator Assembly		Replacement Steam Dryers	
Head Thickness, in.	2.0	Weight, lb.	119,000
Number of Separators	211	Feedwater Sparger	
Separator o, d., in.	12.75	Dimensions, in.	6 Sched. 40
Number	6	Cross Section Area, ft ²	0.2006
Standpipe i. d., in.	6.065	Number	6
Standpipe o, d., in.	6.625	Core Spray Sparger Rings	
Weight, lb.	139,600	Diameter, in.	4 Sched. 40 S
Core Support		Cross Section Area, ft ²	0.088
Weight, lb.	20,500	Number of Spray Outlets	260
Top Guide		Weight, lb.	4,317
Weight, lb.	15,200	Vessel Head Cooling Spray Nozzle	
Fuel Support Pieces		Pipe Size, in.	4
Number of Preipheral	24	Scheduled	40
Four Lobe		Differential Pressure & Liquid	
		Control Line	
Number without Plugs	185	Inner Pipe (Liquid Control), in	1 Sched. 40
Number with Plugs	0	Outer Pipe, in.	2 Sched. 40
Weight, lb.	11,300	Incore Flux Monitor Guide Tubes	
Control Rod Guide Tubes		Number	55
Number	185		
Weight, lb.	46,250	Surveillance Sample Holders	3
		Total Weight of Reactor Vessel	477,000
		Internals, pounds (excluding fuel)	