

BFN-16

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