

BFN-28

Table 14.5-1

(Deleted by Amendment 28)

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Table 14.5-2
TRANSIENT ANALYSES INITIAL CONDITIONS

Parameter	AREVA Reload Analysis
Thermal Power, MWt	3952 (100%) / 4031 (102%)
Core Flow, Mlb/hr	102.5
Core Flow Range (% of current rated)	85 - 105
Vessel Steam Flow and FW flow, Mlb/hr	16.44
Analysis Dome Pressure, psia	1050
Analysis Turbine Pressure, psia	988
Feedwater Temperature, °F	394.8
Turbine Bypass Capacity	21.3% of rated vessel steam flow
Number of MSRVs	13
MSRV type	Target Rock
Opening response of relief functions	0.15 s
Opening delay of relief functions	0.45 s
MSRV Capacity per valve, lbm/hr (Based on 1090 psig setpoint)	870,000 (12 valves)
MSRV Setpoint, (number of valves @ psig) (+3% setpoint tolerance included)	4 @ 1174 ⁱⁱ 4 @ 1184 4 @ 1194
MCPR Safety Limit	Cycle Specific
Recirculation Flow Control	VFD Flow Control
Core Average Gap Conductance (Btu/s-sq. ft -Deg F)	Case Dependent
High Neutron Flux Scram Setpoint	125.4% of rated power
High Pressure Scram Setpoint, psig	1101
High Pressure ATWS-RPT setpoint, psig	1177
Reactor L8 Water Level, in avz ⁱⁱⁱ	588
Reactor L3 Water Level, in avz ⁱⁱⁱ	518
Reactor L2 Water Level, in avz ⁱⁱⁱ	448
Reactor L1 Water Level, in avz ⁱⁱⁱ	372.5

i (deleted)

ii Considered only 3 out of 4 due to 1 MSRV-OOS

iii Above vessel zero