

Table 7.1-8—SAS Variables included within the Scope of Safety Analysis

Safety Function	Variables to be Monitored	Range of Variables
EFW Level Control	SG Level (WR)	0-100% MR
EFWS pump overflow protection	EFW Pump Discharge Flow	0-450 gpm
Steam generator MSRCV regulation during pressure control	Pressurizer Pressure (NR)	1615-2515 psia
	Hot Leg Pressure (WR)	15-3015 psia
	Hot Leg Temperature (WR)	32-662 °F
	Hot Leg Temperature (NR)	536°F–662°F
	Hot Leg Loop Level	0-30.71 in
	Neutron Flux-Self Powered Neutron Detectors	0.5–200% NP
	Cold Leg Temperature (NR)	32°F - 662°F
	RCP Speed	800 -1600 rpm
	RCS Loop Flow	0-120% NF
	RCCA position	0–100% Insertion
	Pressurizer Pressure (NR)	1615-2515 psia
	Neutron Flux-Power Range Detectors	0.5–200% NP
	Neutron Flux-Intermediate Range Detectors	5 x 10E-6–60% NP
	Pressurizer Level	0-100% MR
	SG Pressure	15–1615 psia
	SG Level (NR)	0-100% MR
	Containment Service Compartment Pressure (NR)	-3 psig to +7 psig
	Containment Equipment Compartment Pressure	-3 psig to +7 psig
	Cold Leg Temperature (WR)	32°F - 662°F

Notes:

NP = Nuclear Power, NF = Nominal Flow, MR = Measuring Range