

TABLE OF CONTENTS

“Shutdown Actions” that Remain HOT SD

1.0	USE AND APPLICATION	
1.1	Definitions.....	
1.2	Logical Connectors.....	
1.3	Completion Times	
1.4	Frequency	
2.0	SAFETY LIMITS (SLs)	
2.1	SLs	
2.2	SL Violations	
3.0	LIMITING CONDITION FOR OPERATION (LCO) APPLICABILITY	<Initiate...COLD>
3.0	SURVEILLANCE REQUIREMENT (SR) APPLICABILITY .....	.
3.1	REACTIVITY CONTROL SYSTEMS	
3.1.1	SHUTDOWN MARGIN (SDM).....	.
3.1.2	Reactivity Anomalies .....	.
3.1.3	Control Rod OPERABILITY .....	.
3.1.4	Control Rod Scram Times .....	.
3.1.5	Control Rod Scram Accumulators .....	.
3.1.6	Rod Pattern Control.....	.
3.1.7	Standby Liquid Control (SLC) System.....	.
3.2	POWER DISTRIBUTION LIMITS	
3.2.1	LINEAR HEAT GENERATION RATE (LHGR) .....	.
3.2.2	MINIMUM CRITICAL POWER RATIO (MCPR) .....	.
3.3	INSTRUMENTATION	
3.3.1.1	Reactor Protection System (RPS) Instrumentation .....	.
3.3.1.2	Reactor Protection System (RPS) Actuation.....	.
3.3.1.3	Reactor Protection System (RPS) Manual Actuation .....	.
3.3.1.4	Neutron Monitoring System (NMS) Instrumentation.....	.
3.3.1.5	Neutron Monitoring System (NMS) Automatic Actuation.....	.
3.3.1.6	Startup Range Neutron Monitor (SRNM) Instrumentation.....	.
3.3.2.1	Control Rod Block Instrumentation.....	.
3.3.3.1	Post-Accident Monitoring (PAM) Instrumentation.....	.
3.3.3.2	Remote Shutdown System.....	.
3.3.4.1	Reactor Coolant System (RCS) Leakage Detection Instrumentation.....	<YES>
3.3.5.1	Emergency Core Cooling System (ECCS) Instrumentation .....	.
3.3.5.2	Emergency Core Cooling System (ECCS) Actuation .....	.
3.3.5.3	Isolation Condenser System (ICS) Instrumentation .....	.
3.3.5.4	Isolation Condenser System (ICS) Actuation .....	.

TABLE OF CONTENTS

“Shutdown Actions” that Remain HOT SD

3.3	INSTRUMENTATION (continued)	
3.3.6.1	Main Steam Isolation Valve (MSIV) Instrumentation	<YES>
3.3.6.2	Main Steam Isolation Valve (MSIV) Actuation.....	<YES>
3.3.6.3	Isolation Instrumentation	<YES>
3.3.6.4	Isolation Actuation	<YES>
3.3.7.1	Emergency Breathing Air System (EBAS) Instrumentation.....	.
3.3.7.2	Emergency Breathing Air System (EBAS) Actuation.....	.
3.4	REACTOR COOLANT SYSTEM (RCS)	
3.4.1	Safety Relief Valves (SRVs).....	<SD Bracketed>
3.4.2	RCS Operational LEAKAGE.....	<SD Bracketed>
3.4.3	RCS Specific Activity .....	.
3.4.4	RCS Pressure and Temperature (P/T) Limits	<SD Bracketed>
3.4.5	Reactor Steam Dome Pressure .....	.
3.5	EMERGENCY CORE COOLING SYSTEMS (ECCS)	
3.5.1	Automatic Depressurization System (ADS) - Operating.....	<YES>
3.5.2	Gravity-Driven Cooling System (GDCS) - Operating.....	<YES>
3.5.3	Gravity-Driven Cooling System (GDCS) - Shutdown .....	.
3.5.4	Isolation Condenser System (ICS) - Operating	<YES>
3.5.5	Isolation Condenser System (ICS) - Shutdown .....	.
3.6	CONTAINMENT SYSTEMS	
3.6.1.1	Containment	<YES>
3.6.1.2	Containment Air Lock	<YES>
3.6.1.3	Containment Isolation Valves (CIVs).....	<YES>
3.6.1.4	Drywell Pressure	<YES>
3.6.1.5	Drywell Air Temperature.....	<YES>
3.6.1.6	Wetwell-to-Drywell Vacuum Breakers	<YES>
3.6.1.7	Passive Containment Cooling System (PCCS).....	<YES>
3.6.2.1	Suppression Pool Average Temperature	<SD Bracketed>
3.6.2.2	Suppression Pool Water Level	<YES>
3.6.3.1	Reactor Building	<YES>
3.7	PLANT SYSTEMS	
3.7.1	Emergency Breathing Air System (EBAS).....	<YES>
3.7.2	Main Condenser Offgas .....	.
3.7.3	Main Turbine Bypass System.....	.
3.7.4	Fuel Pool Water Level .....	.
3.7.5	Isolation Condenser (IC)/Passive Containment Cooling (PCC) Pools	<YES>

TABLE OF CONTENTS

“Shutdown Actions” that Remain HOT SD

3.8	ELECTRICAL POWER SYSTEMS	
3.8.1	24-hour DC Sources - Operating.....	<SD Bracketed>
3.8.2	72-hour DC Sources - Operating.....	.
3.8.3	24-hour DC Sources - Shutdown .....	.
3.8.4	Battery Parameters .....	.
3.8.5	Inverters - Operating	<SD Bracketed>
3.8.6	Inverters - Shutdown .....	.
3.8.7	Distribution Systems - Operating.....	<SD Bracketed>
3.8.8	Distribution Systems - Shutdown.....	.
3.9	REFUELING OPERATIONS	
3.9.1	Refueling Equipment Interlocks.....	.
3.9.2	Refuel Position One-Rod/Rod-Pair-Out Interlock .....	.
3.9.3	Control Rod Position .....	.
3.9.4	Control Rod Position Indication .....	.
3.9.5	Control Rod OPERABILITY - Refueling .....	.
3.9.6	Reactor Pressure Vessel (RPV) Water Level.....	.
3.9.7	Decay Time .....	.
3.10	SPECIAL OPERATIONS	
3.10.1	Inservice Leak and Hydrostatic Testing Operation.....	.
3.10.2	Reactor Mode Switch Interlock Testing.....	.
3.10.3	Control Rod Withdrawal - Shutdown .....	.
3.10.4	Control Rod Withdrawal - Cold Shutdown.....	.
3.10.5	Control Rod Drive (CRD) Removal - Refueling .....	.
3.10.6	Multiple Control Rod Withdrawal - Refueling.....	.
3.10.7	Control Rod Testing - Operating.....	.
3.10.8	SHUTDOWN MARGIN (SDM) Test - Refueling .....	.
4.0	DESIGN FEATURES	
4.1	Site Location.....	.
4.2	Reactor Core .....	.
4.3	Fuel Storage.....	.
5.0	ADMINISTRATIVE CONTROLS	
5.1	Responsibility .....	.
5.2	Organization .....	.
5.3	Unit Staff Qualifications .....	.
5.4	Procedures .....	.
5.5	Programs and Manuals .....	.
5.6	Reporting Requirements .....	.
5.7	High Radiation Area .....	.
