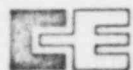


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CESSAR - SONGS - SRP

CHAPTER 15

COMPARISON



June 11, 1981

15.1 INCREASE IN HEAT REMOVAL BY SECONDARY SYSTEM

SRP EVENT	CESSAR		SONGS	
	QUANT	QUAL	QUANT	QUAL
1. DECREASE IN FEED TEMPERATURE		15D.1.3.2		15.1.1.1
" " " + SF				15.1.2.1
2. INCREASED STEAM FLOW		15D.1.3.1	15.1.1.3	
" " " + SF			15.1.2.3	
3. INADVERTENT OPENING OF AN ADV	15.1.3.2		15.1.1.4	
" " " + SF			15.1.2.4	
4. INCREASE IN FEED FLOW				15.1.1.2
" " " + SF				15.1.2.2
5. STEAM LINE BREAKS (SLB)				
SLB, SMALL, O.C., U/S OF MSIV + TL	15.1.4.2			
SLB, LARGE, I.C., SCEA + SF	15C		15.1.3.1	
" " " " " + LOP	"		15.1.3.1	
SLB, LARGE, O.C., U/S OF MSIV + LOP + TL + SF + SCEA	"		15.1.3.1	

15.2 DECREASE IN HEAT REMOVAL BY SECONDARY SYSTEM

SRP EVENT

CESSAR

SONGS

		QUANT	QUAL	QUANT	QUAL
1.	TURBINE TRIP	15.2.1.1,2			15.2.1.2
"	" + SF				15.2.2.2
2.	LOSS OF EXTERNAL LOAD				15.2.1.1
"	" " " " + SF				15.2.2.1
3.	LOSS OF CONDENSER VACUUM	15.2.2.1,2		15.2.1.3	
"	" " " " + SF	15.2.3.2		15.2.3.2	
4.	LOSS OF AC		15D.2.2.1	15.2.1.4	
"	" " " + SF				15.2.2.4
5.	CLOSURE OF MSIV				
6.	LOSS OF NORMAL FEED FLOW		15D.2.2.3	15.2.2.5	
"	" " " " " + SF			15.2.3.2	
7.	FEED LINE BREAK + LOP + SF	15B		15.2.3.1	

15.3 DECREASE IN REACTOR COOLANT SYSTEM FLOW RATE

SRP EVENT

CESSAR

SONGS

QUANT

QUAL

QUANT

QUAL

1. LOSS OF FORCED RCP FLOW
" " " " + SF

15A

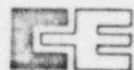
15.3.2.1 15.3.1.1
15.3.2.2,3.2

2. RCP ROTOR SEIZURE
" " " + SF
" " " + LOP

15.3.3.1,2
15.3.4.2
15.3.5.1,2

15.3.3.1

3. RCP SHAFT BREAK
" " " + SF
" " " + LOP



June 11, 1981

15.4 REACTIVITY AND POWER DISTRIBUTION ANOMALIES

SRP EVENT	CESSAR		SONGS	
	QUANT	QUAL	QUANT	QUAL
1. CEA WITHDRAWAL, LOW POWER OR SUBCRITICAL	15.4.2.2		15.4.1.1	
2. CEA WITHDRAWAL AT POWER	15.4.2.1		15.4.1.2	
3. CEA MISOPERATION	15.4.1.3		15.4.1.3	
4. INADVERTENT BORON DILUTION " " " + SF	15D.4.2.1		15.4.1.4	
5. STARTUP OF INACTIVE RCP	15D.8.2.1		15.4.1.5	
6. MISLOADING OF A FUEL ASSEMBLY			15.4.3.1	
7. ROD EJECTION ACCIDENTS + LOP	15.4.5.1,2 (W/FTF)		15.4.3.2	

15.5 INCREASE IN REACTOR COOLANT INVENTORY

SRP EVENT

CESSAR

SONGS

QUANT

QUAL

QUANT

QUAL

1. INADVERTENT OPERATION OF ECCS

15.5.1.2

2. CVCS MALFUNCTION

15.5.1.1

" "

" + SF

15.5.3.1,2

15.5.2.1

15.5.5.1,2



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15.6 DECREASE IN REACTOR COOLANT INVENTORY

SRP EVENT	CESSAR		SONGS	
	QUANT	QUAL	QUANT	QUAL
1. INADVERTENT OPENING OF A PRESSURIZER SAFETY VALVE	6.3.3		15.6.3.4	
2. PRIMARY SAMPLE OR INSTRUMENT LINE BREAK PRIMARY SAMPLE LINE, O.C. LETDOWN LINE	15.6.3.2 15.6.4.2 + 15.6.5.2		15.6.3.1	
3. STEAM GENERATOR TUBE FAILURE " " " " + SF	15.6.2.2		15.6.3.2 15.6.3.2	
4. LOCA	6.3.3		15.6.3.3	

