

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-362  
 UNIT NAME: SONGS - 3  
 DATE: 9-15-92  
 COMPLETED BY: J. L. Darling  
 TELEPHONE: (714) 368-6223

REPORT MONTH: April 1992

9209210264 920915  
 PDR ADOCK 05000361  
 PDR

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
64	920410	S	0.00	B	5	NA	SJ KE	P COND	Reduced reactor power to 60% to return MFP K005 to service and perform circulating water system heat treatment.
65	920419	S	143.35	B	1	NA	TA	TRB	Unit taken off line for turbine balancing.
*	*	F	144.45	A	1	NA	AB	BAF	See Note below.

Note: While commencing reactor power startup, the unit was manually tripped due to a loss of Reactor Coolant Pump (RCP) P004 controlled bleedoff flow (CBO). P004 was stopped following the trip and a shutdown to Mode 5 was initiated to repair the RCP seal. The six bolts which attach the rotating baffle to the P004 shaft were found to have fractured. It is postulated that when the last baffle bolt fractured, the baffle shifted and rubbed against adjacent components, resulting in blockage of CBO flow to the seal. Initial observation of the baffle bolts indicated failure due to high cycle fatigue. A root cause evaluation is in progress to determine the cause for failure of the baffle bolts. The P004 baffle was replaced. Other corrective actions will be determined and implemented, as necessary, based on the results of the bolt failure evaluation.

\* Data corrected since previous submittal.

<sup>1</sup>F-Forced  
 S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuation from Previous Month  
 5-Reduction in the Average Daily Power Level of more than 20% from the previous day  
 6-Other (Explain)

<sup>4</sup>IEEE Std 805-1984

<sup>5</sup>IEEE Std 803A-1983

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO: 50-362  
 UNIT NAME: SONGS - 3  
 DATE: 9-15-92  
 COMPLETED BY: J. L. Darling  
 TELEPHONE: (714) 368-9787

<u>Date</u>	<u>Time</u>	<u>Event</u>
April 24 (Cont.)	2315	Received Reactor Coolant Pump (RCP) P004 seal pressure Hi/Lo alarm.
*	2333	Manually tripped reactor and stopped RCP P004 due to controlled bleed-off (CBO) flow less than .2 gpm and decreasing.
April 25	0320	Initiated Reactor Coolant System (RCS) cooldown to Mode 5.
	0805	Entered Mode 4.
	2307	Entered Mode 5.
April 28	0925	Commenced RCS draindown to mid-loop for RCP P004 seal replacement.
	1630	RCS at mid-loop, 27" in Hot Leg.
April 30	2400	Unit is in Mode 5, RCS drained to mid-loop for RCP P004 seal replacement.

\* Data corrected since previous submittal.