

LICENSEE EVENT REPORT (LER)

FACILITY NAME Zion Nuclear Power Station Unit 1										DOCKET NUMBER 0 5 0 0 0 2 9 5 1				PAGE OF 0 1														
TITLE Recirculation Sump covers holes were not installed at original construction; the cause is unknown and the impact on plant operation is being determined.																												
EVENT DATE			LER NUMBER				REPORT DATE			OTHER FACILITIES INVOLVED																		
MONTH	DAY	YEAR	YEAR	SEQ.	REV.	MONTH	DAY	YEAR	FACILITY NAMES ZION UNIT 2				DOCKET NUMBER(S) 0 5 0 0 0 3 0 4															
0	1	1	0	9	7	9	7	-	0	0	1	-	0	0	0	2	1	0	9	7								
OPERATING MODE		1 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (CHECK ONE OR MORE OF THE FOLLOWING)																										
		20.402(b)				20.405(e)				50.73(a)(2)(iv)				73.71(b)														
POWER LEVEL		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)														
1		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)														
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)																		
		20.405(a)(1)(iv)				X 50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)																		
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)																		
LICENSEE CONTACT FOR THIS LER																												
NAME N. M. Brennan, Regulatory Assurance ext. 2380										TELEPHONE NUMBER 8 4 7 7 4 6 - 2 0 8 4																		
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT																												
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS																			
B				N																								
SUPPLEMENTAL REPORT EXPECTED										EXPECTED SUBMISSION DATE		MONTH	DAY	YEAR														
X YES. (If yes, complete EXPECTED SUBMISSION DATE)										NO		0	4	1														
												1	9	7														

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines).

On January 10, 1997, a dimensional verification of the Unit 2 containment recirculation sump was performed in preparation for a pending modification. During this activity it was noted the two 1" holes were not in the sump cover plate as detailed on structural drawing B-278. The assumed purpose of the cover plate holes is to allow air to escape from the sump as it fills with water from the containment floor. If the sump does not vent, there is the potential to hinder or preclude flow to both Residual Heat Removal (RHR) pump suction during the recirculation phase of a Loss of Coolant Accident (LOCA).

Unit 1 was ramped down to 40% power to allow for inspection of the sump cover plate. At approximately 7:00 am on January 11, 1997 the inspection of the Unit 1 sump cover plate verified the holes were missing. Because adequate venting capability of the sump could not be proven, the operating department declared both RHR Pumps inoperable, entered Technical Specification 3.8.3, and placed the Unit 1 in a 4 hour limiting condition for operation (LCO). The sump cover was removed, holes were drilled and the cover replaced prior to the expiration of the LCO. Upon completion of this work, the RHR Pumps were declared operable. Holes have been installed on the Unit 2 sump cover plates as well meeting the requirements of the design drawings.

The holes are believed to have been omitted because of a plant construction installation error. Investigation into the event is ongoing, and an evaluation is being performed to determine the safety impact of the lack of sump cover holes. Once completed, a supplemental LER will be submitted.

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