

February 16, 1990

MEMORANDUM FOR: Roy Zimmerman, Director
Division of Reactor Safety
and Projects, Region V

FROM: Gary M. Holahan, Acting Director
Division of Reactor Projects - III,
IV, V and Special Projects

SUBJECT: REACTOR COOLANT PUMP SEAL COOLING FOLLOWING A FIRE AT SAN
ONOFRE NUCLEAR GENERATING STATION, UNIT NOS. 2 AND 3
(TIA-V-88-27, TAC NOS. 71237 AND 71238)

By memorandum dated November 17, 1988, you requested NRR assistance in reviewing an open issue identified during a post fire safe shutdown capability inspection at San Onofre Nuclear Generating Station, Unit Nos. 2 and 3. The issue concerned the licensee's proposal to delay reestablishing the component cooling water system and associated reactor coolant pump (RCP) seal cooling for up to eight hours following postulated fire damage. The eight hour delay was based on the licensee's analysis for the postulated worst case fire damage scenario, and credited tests performed on Byron Jackson RCP seals showed no effect on seal integrity for long time periods with loss of seal cooling. Realistically, it was felt that component cooling water to the RCP seals could be reestablished in less than an hour for most fire situations.

By memorandum dated February 17, 1989, we provided our initial response on this issue and stated that the licensee's proposal was unacceptable. This response was based on discussions between NRR and the Office of Research (RES) task manager for Generic Issue (GI) 23, which is considering RCP seal failure and its consequences generically. The RES efforts on GI 23 are continuing, but final resolution has not yet been achieved.

Subsequently, by letter dated December 27, 1989, the licensee submitted additional test data to support its assertion that the RCP seals at San Onofre Units 2/3 could maintain their integrity for 24 hours without seal cooling when the RCPs are not rotating. This test data would be reviewed and considered in the study for GI-23, which is nearing completion. We, therefore, recommend that this issue be closed pending formal resolution of GI-23.

If you have any questions, please contact San Onofre 2/3 Project Manager Lawrence Kokajko (FTS 492-1380).

original signed by John Zwolinski
Gary M. Holahan, Acting Director
Division of Reactor Projects - III,
IV, V and Special Projects

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Docket File	NRC & Local PDRs	PDV Reading	C. Trammell	A. Hon
J. Zwolinski	P. Shea	L. Kokajko	A. Thadani	
C. McCracken	J. Wermeil	C. Caldwell	R. Zimmerman, RV	
*See previous concurrence				

DRSP/PDV*	DRSP/PDV*	NRR/SPLB*	NRR/SPLB*	DRSP/AD/PDV*
PShea	LKokajko:sg	JWermeil	CMcCracken	CTrammell
2/15/90	2/15/90	2/15/90	2/15/90	2/15/90
(A)AD/DRSP*	NRR/DST	NRR/DRSP		
JZwolinski	ATHadani	GHolahan		
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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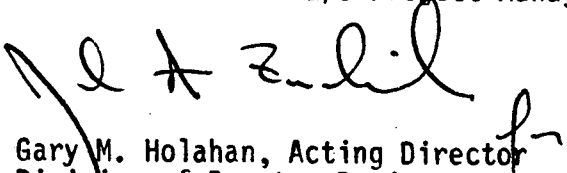
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