



SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, Box 15830, Sacramento, California 95813; (916) 452-3211

January 12, 1983

DIRECTOR OF NUCLEAR REACTOR REGULATION
ATTENTION JOHN F STOLZ CHIEF
OPERATING REACTORS BRANCH 4
U S NUCLEAR REGULATORY COMMISSION
WASHINGTON D C 20555

DOCKET 50-312
RANCHO SECO NUCLEAR GENERATING STATION
UNIT NO 1
IE BULLETIN 80-04 - MAIN STEAM LINE BREAK WITH CONTINUED FEEDWATER ADDITION

Your letter dated November 3, 1982, provided your review of our responses to IE Bulletin 80-04. Based on this review, you requested additional information for the current Emergency Feedwater System and upgraded Emergency Feedwater System (EFIC).

For our current Emergency Feedwater System you stated that the Auxiliary Feedwater (AFW) pumps are not protected from runout and that we should demonstrate that the pumps will not be damaged by runout or describe the interim measures that will be taken to prevent runout. In our response to IE Bulletin 80-04 dated May 28, 1982, we said we were unable to provide information concerning damage to the AFW pumps at runout without an extensive test program, and since we are implementing our EFIC system, we feel this effort is not justified.

You stated that the present FSAR analysis does not bound the EFIC system for a Main Steam Line Break (MSLB). For an MSLB the EFIC system will simply eliminate operator actions and make them automatic while not changing the system response. Thus, the analysis for the containment pressure and reactivity increase given in the FSAR is bounding for the EFIC system.

You also stated that in the EFIC system design, the AFW pumps are not protected against runout during a double steam generator blowdown. With EFIC, only short periods of runout would be possible even at low pressures in the steam generators since the AFW control valves will start to close as steam generator level reaches its set point (less than three minutes). With this short period (less than three minutes), where runout is possible, we do not feel that this is sufficient to require additional controls or testing.

John J. Mattimoe
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General Manager

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