



SMUD

SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
RJR 86-27 AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

January 17, 1986

DIRECTOR OF NUCLEAR REACTOR REGULATION
ATTENTION FRANK J MIRAGLIA JR DIRECTOR
PWR-B DIVISION
U S NUCLEAR REGULATORY COMMISSION
WASHINGTON D C 20555

DOCKET 50-312
RANCHO SECO NUCLEAR GENERATING STATION UNIT NUMBER 1
STATUS OF EMERGENCY FEEDWATER INITIATION AND CONTROL (EFIC) IMPLEMENTATION

REFERENCES: R. J. Rodriguez to H. L. Thompson letter dated 10/25/85 (RJR 85-531)
SMUD/NRC meeting in Bethesda on 10/23/85

As discussed in the above references the District has accelerated its efforts in order to install a majority of the EFIC system during the upcoming Cycle 8 Refueling Outage. The District has revised its Living Schedule to accommodate the expanded scope.

In summary the scope involves the following aspects:

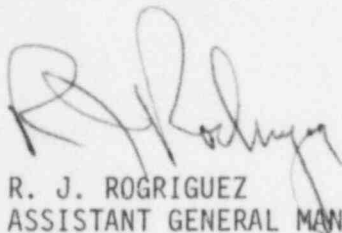
- Install four (4) instrument channels (each OTSG)
 - Low range level
 - Wide range level
 - Pressure
- Provide power to previously installed EFIC cabinets
- Connect EFIC to plant computer monitoring system
- Install four (4) channel MFW flow to each MFW line
- Connect flux to MFW flow circuits into Reactor Protection System (RPS)
- Connect RPS and Safety Features Actuation System (SFAS) to EFIC
- Install N2 backup power to AFW/MFW control valves

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- Initiate automatic EFIC closure of the AFW full flow recirculation line
- Replace existing auto start circuits with EFIC initiation of AFW pumps
- Integrate EFIC controls in the Control Room
- Replace ICS and SFAS valve activation signals with EFIC actuation of AFW control valves
- Replace ICS control of ADV's with EFIC control of ADV's
- Provide EFIC controls for ADV's and AFW flow control valves at the remote shutdown panel.

If there any question concerning the increased EFIC Cycle 8 scope, please contact Mr. Jerry Delezenski at Rancho Seco.



R. J. ROGRIGUEZ
ASSISTANT GENERAL MANAGER
NUCLEAR