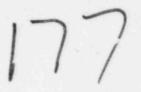
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BABCOCK & WILCOX

Power Generation Group P. O. Box 1260 Lynchburg, VA 24505

March 23, 1978

Mr. R. J. Rodriguez Manager, Nuclear Operations Sacramento Hunicipal Utility District 6201 S Street Sacramento, California 95813 RANCHO SECO MARCH 20, 1978

Subject: Rancho Seco Huclear Generating Station - Unit Ho. 1 Evaluation of HSS Cooldown Transient

Dear Mr. Rodriguez:

B&W has reviewed the data provided by SMUD regarding the March 20, 1978 reactor trip and resulting cooldown transient, and have performed the following evaluations:

- Evaluation of RCP seal performance data prior; during and subsequent to the transient.
- 2. Evaluation of transient conditions with respect to RCP's and CRDH's.
- 3. Evaluation of transient conditions with respect to fuel assemblies.
- Evaluation of transient conditions with respect to RV, RC piping, pressurizer, and OTSG's.

As a result of these evaluations, B&W concurs with SMOD's intent to return Rancho Seco to power operation at a power level at or below 75% full power with the following recommendations:

- 1. The following caneuvering limits be applied for this plant start-up:
 - a. The maximum rate of power increase below 20% full power shall be 10% per hour.
 - b. The maximum rate of power increase between 20% and 40% full power shall be 30% per hour.
 - c. Above 40% full power, escalation shall be limited to 3% per hour.
- Increase surveillance of the loose parts monitoring system for at least a one week period.
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JANIS TO ROORIGUEZ

- Performance of an operability check of on-line and redundant NNI instrumentation.
- 4. Establishment of a procedure for restoring KRI power in the event of a power loss and a commitment to establish by April 7. 1978 operator instructions for immediate action to limit NSS transient if NNI power cannot be immediately restored.
- Surveillance of primary and secondary radiochemistry on a minimum of a daily basis for at least one week following start-up.

B&W NPGD's concurrence with operation of Rancho Seco above 75% full power is contingent upon our Q4 evaluation of data input provided by SNDD and analyses performed by B&W Engineering, and you will be informed of completion of those activities and our concurrence in a timely manner.

In addition, B&W is performing an evaluation to determine the effects of the transient conditions on the Reactor Coolant System accumulative usage factor and will advise you of those results. As a further measure of verification of OTSG tube integrity, B&W requests additional inspection of the OTSG tubes during your next refueling outage. Those inspection recommendations will be forwarded to SMAD along with B&W's proposed refueling inspection plant prior to the outage.

If you have any questions or require additional information, please advise,

Very truly yours, in:

. . /s/ Joel T. Janis

Joel T. Janis Service Manager

JTJ/hh

- cc: J. J. Mattimoe
 - D. G. Raasch
 - R. P. Oubre'
 - J. H. Johnston

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