

June 6, 2000

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Gentlemen:

**Subject: Docket Nos. 50-361 and 50-362
Response to the NRC Request for Additional Information to Support
Technical Specification Amendment Application Numbers 200 and
185, Regarding the Reactor Coolant Pump Flywheel Inspection
Program, San Onofre Nuclear Generating Station Units 2 and 3**

Reference: Letter from D. E. Nunn (SCE) to the Document Control Desk (NRC)
dated, April 20, 2000; Subject: Docket Nos. 50-361 and 50-362
Reactor Coolant Pump Flywheel Inspection Program Amendment
Application Numbers 200 and 185 San Onofre Nuclear Generating
Station Units 2 and 3

This letter provides the remaining shrink fit interference at accident speed for all reactor coolant pump flywheels at San Onofre Units 2 and 3, as requested by the U. S. NRC in a telephone call on May 18, 2000. This information is provided to support the NRC's review of Amendment Application Numbers 200 and 185 for San Onofre Nuclear Generating Station Units 2 and 3, referenced. As discussed in the referenced Amendment Applications, San Onofre Units 2 and 3 have two reactor coolant pump designs: Allis-Chalmers and Asea Brown Boveri (ABB). The remaining shrink fit interference at accident speed for all flywheels is provided as follows:

- All flywheels maintain contact between disk and shaft under accident conditions. The accident condition was analyzed at 1624 rpm.
- For the Allis-Chalmers flywheel, the remaining radial interference is approximately 1.0 mil at accident speed. This residual shrink fit is 6.5% of the initial fit (zero speed).

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- It should be noted that the Allis-Chalmers flywheel is a "keyway" design. The two axial keys would prevent relative rotational motion between the shaft and disk.
- For the ABB flywheel, the remaining radial fit is approximately 4.0 mils at accident speed. This residual interference is approximately 30% of the initial shrink fit (zero speed).

If you have any questions or would like additional information on this subject, please feel free to contact me or Mr. Jack Rainsberry at (949) 368-7420.

Sincerely,

A handwritten signature in black ink, appearing to read "J. A. Sloan". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

cc: E. W. Merschoff, Regional Administrator, NRC Region IV
J. A. Sloan, NRC Senior Resident Inspector, San Onofre Units 2 & 3
L. Raghavan, NRC Project Manager, San Onofre Units 2 and