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February 1, 1990

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U. S. Nuclear Regulatory Commission
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Washington, D. C. 20550

Subject: Docket No. 50-361
Special Report
San Onofre Nuclear Generating Station, Unit 2

The purpose of this letter is to provide the Special Report required by Technical Specification 3.3.3.3, Action "a" of Facility Operating License NPF-10 for San Onofre Nuclear Generating Station, Unit 2, for seismic instrument 2XT-8020D being inoperable for greater than 30 days.

On December 27, 1989, with Unit 2 in Mode 1 at 100% power, pressurizer base support, strong motion accelerometer (SMA) 2XT-8020D was declared inoperable following performance of a routine 6-month surveillance test due to the failure of the SMA to meet certain requirements of Procedure SO23-II-2.1. Specifically, the longitudinal sensor playback readings of SMA 2XT-8020D were outside the test acceptance criteria.

Investigation results to date have not been able to establish when the SMA failed. Troubleshooting of the seismic instrumentation components and circuitry could not determine the cause of the deficiency. Further troubleshooting would have required containment entry to physically access 2XT-8020D. Due to ALARA considerations during power operations, personnel are precluded from performing further investigative efforts. Planned troubleshooting and repair efforts for 2XT-8020D are scheduled during the next Mode 4 outage of sufficient duration.

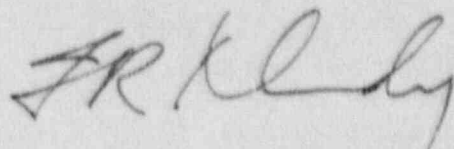
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If you require any additional information, please let me know.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J.R. Kelly".

cc: J. B. Martin (Regional Administrator, NRC Region V)
C. W. Caldwell (NRC Senior Resident Inspector, Units 1, 2 and 3)
Institute of Nuclear Power Operations (INPO)