

*Southern California Edison Company*

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March 11, 1993

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

Gentlemen:

Subject: Docket No. 50-361 and 50-362  
Special Report - Inoperable Meteorological Instrumentation  
San Onofre Nuclear Generating Station, Unit 2 and 3

This report is being submitted in accordance with Technical Specification (TS) 3.3.3.4 (a) for Meteorological Instrumentation, of Facility Operating Licenses NPF-10 and NPF-15 for San Onofre Units 2 and 3. The TS requires Southern California Edison (SCE) to submit a special report when one or more channels of the meteorological monitoring instrumentation becomes inoperable for more than seven days.

Two channels of meteorological instrumentation (primary and secondary) provide delta temperature monitoring. Each channel is provided with two temperature sensors, one sensor at the 10 meter elevation and the other at the 40 meter elevation. These sensors provide input to a computer for delta temperature readings.

On February 22, 1993, the meteorological monitoring delta temperature instrument was declared inoperable when it was noted that the difference between the primary and secondary channels was excessive. The secondary channel is providing erroneous data causing a discrepancy between the two channels. The cause of the erroneous data is intermittent thereby complicating and delaying corrective maintenance such that the delta temperature indication could not be returned to service within seven days of the initial inoperability. The problem manifests itself for a few hours and then disappears for an interval of several hours to several days before reappearing. Troubleshooting efforts have not yet been able to identify the cause of the problem during the brief periods when the delta temperature indication is erroneous. The intermittent nature of the problem will also require additional time to validate the effect of corrective maintenance.

A consultant from Dames & Moore, who previously maintained and operated the meteorological instrumentation, has confirmed that the present troubleshooting strategy is correct. Efforts to isolate, identify, and repair the problem will continue until the repairs are satisfactorily completed. In the interim, the primary delta temperature channel continues to provide accurate stability class data.

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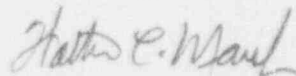
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March 11, 1993

The NRC will be notified by letter when the differential temperature instrumentation is returned to service.

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

Sincerely,

A handwritten signature in dark ink, appearing to read "Arthur E. Maul". The signature is written in a cursive style with a long horizontal stroke at the end.

cc: J. B. Martin, Regional Administrator, NRC Region V  
M. B. Fields, NRC Project Manager, San Onofre Units 2 and 3  
C. W. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2 & 3