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SUBJECT: Clarifies 820118 response by including surge conditions re
 NRC concerns postulating possibility of plant protection sys
 bistable relay contacts welding shut due to surge or high
 voltage fault on input matrix w/channels in bypassed state.

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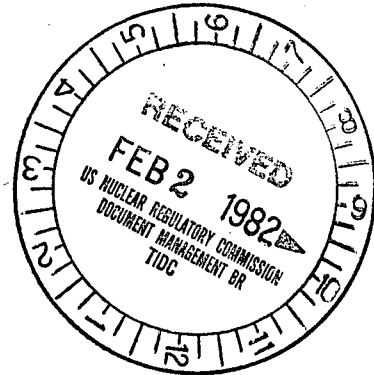
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January 29, 1982



Director, Office of Nuclear Reactor Regulation
Attention: Mr. Frank Miraglia, Branch Chief
Licensing Branch No. 3
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362
San Onofre Nuclear Generating Station
Units 2 and 3

SCE's recent letter of January 18, 1982 responded to an NRC concern which postulated the possibility of the Plant Protection System (PPS) bistable relay contacts welding shut due to a surge or high voltage fault on the input of one of the matrix power supplies with one PPS channel in a bypassed condition, thereby rendering the PPS inoperable.

The January 18, 1982 letter provided information relative to previously performed input surge and fault testing on PPS matrix power supplies and the results of a recently performed analysis to assess the effects of applying surge and fault voltages to the PPS matrix circuit and stated that:

"In conclusion, none of the above stated effects would prevent normal tripping action of the PPS under fault conditions..."

During a conversation between the NRC (Mr. R. Stevens) and SCE (Mr. F. R. Nandy) on January 27, 1982, the NRC requested that the above conclusion as stated in the January 18, 1982 letter be clarified to include consideration of surge conditions. The testing and analysis that were performed considered both fault and surge conditions and the text of the January 18, 1982 letter included discussion which indicated that there were no effects observed on the test matrix during surge testing. Therefore, the conclusion is valid for both surge and fault conditions and is revised accordingly:

"In conclusion none of the above stated effects (as discussed in the January 18, 1982 letter) would prevent normal tripping action of the PPS under fault and surge conditions..."

Boo!
s
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8202030125 821029
PDR ADOCK 05000361
A PDR

Mr. Frank Miraglia

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January 29, 1982

SCE considers that the clarification provided in this letter resolves all NRC concerns relative to this issue.

If you have any questions or comments concerning this information, please contact me.

Very truly yours,

KP Bushni