

Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. B. RAY
STATION MANAGER

July 21, 1982

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REGION V
TELEPHONE
(714) 492-7700

U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596-5368

Attention: Mr. R. H. Engelken, Regional Administrator

Dear Sir:

Subject: Docket No. 50-361
Prompt Report
Licensee Event Report No. 82-036
San Onofre Nuclear Generating Station, Unit 2

Pursuant to Technical Specification 6.9.1.12.i to Operating License NPF-10 for San Onofre Unit 2, this letter confirms our July 20, 1982 prompt notification to the resident inspector of a reportable occurrence involving Limiting Condition for Operation (LCO) 3.4.3 on the Pressurizer Heater Controls.

On July 16, 1982, while in Mode 3 during troubleshooting in cabinets to locate a Ground Lead, Pressurizer Level and Pressure Control was lost for 2 - 3 minutes. Investigations revealed that a recent facility change re-configured the relay contact logic of the pressurizer heater controls, rendering it inoperable had there been a loss of off-site power. This conclusion was reached at 1130 a.m. on July 20, 1982 and immediate constraint was placed on the operation of the plant per Technical Specification 3.4.3 Action b.

The Pressurizer Heaters (Primary and Back-up) can be tripped by three sets of relays on high-high, or high pressurizer pressure, or low level in the pressurizer. The relay contacts in question involve the high-high pressure, set at 2340 psia. This relay was wired such that the relay will trip the heaters when it is de-energized. A temporary corrective measure was initiated promptly to disable the high-high setting for the safety related heaters (Back-up Heaters). A permanent design change is being evaluated and will be implemented at a future

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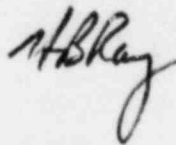
Mr. R. H. Engelken

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date. The 14-day follow-up report will address this permanent design change. It should be noted that protection for tripping the heaters by the high pressure set point (2275 psia) is still available, and that the heaters were available during this period since there was no loss of off-site power.

If there are any questions, please contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "H. B. Ray".

cc: A. E. Chaffee (USNRC Resident Inspector, San Onofre Unit 2)