

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

NAME OF PREPARER

H. B. RAY

PHONE: 714/492-7700

Southern California Edison Company



SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

September 30, 1983

TELEPHONE
(714) 492-7700

H. B. RAY
STATION MANAGER

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REGION V

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

Attention: Mr. J. B. Martin, Regional Administrator

Dear Sir:

Subject: Docket No. 50-362
30-Day Report
Licensee Event Report No. 83-066
San Onofre Nuclear Generating Station, Unit 3

Pursuant to Section 6.9.1.13.b of Appendix A, Technical Specifications to Facility Operating License NPF-15 for San Onofre Unit 3, this submittal provides the required 30-day written report and a copy of the Licensee Event Report (LER) form for two occurrences involving Limiting Condition for Operation (LCO) 3.3.1 associated with the Reactor Protection System (RPS). These events have been combined into a single report in accordance with NUREG-0161.

At 1705 on August 29, 1983, with Unit 3 in Mode 2, a Control Room alarm indicated that Control Element Assembly Calculator (CEAC) 2 had experienced a third auto-restart within the previous 12 hours. Table 3.3-1 Action Statement 7 of LCO 3.3.1 requires that with 3 or more auto-restarts of one non-bypassed calculator during a 12-hour interval, we must demonstrate calculator operability within the next 24 hours by performing a Channel Functional Test or declare the calculator inoperable.

Prior to performance of the Channel Functional Test on CEAC 2, at 0425 on August 30, 1983, a problem developed with CEAC 1 and it was declared inoperable (reference LER 83-060). At 1541 on August 30, 1983, CEAC 1 was repaired and declared operable. CEAC 2 was put in bypass at 1547 to perform the Channel Functional Test required by Action Statement 7. With CEAC 2 in bypass, Table 3.3-1 Action Statement 6a of LCO 3.3.1 was invoked and, at least once per 4 hours each CEA was verified to be within 7 inches of all other CEA's in its group.

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Mr. J. B. Martin

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September 30, 1983

Investigation of CEAC 2 revealed that the excessive auto-restarts were caused by an intermittent fault in the power fail detection circuit located on Central Processing Unit (CPU) Board A. This fault did not affect the ability of CEAC 2 to execute the CEAC software. The CPU board was replaced and CEAC 2 was returned to service at 2200 on August 30, 1983, in accordance with Procedure S023-II-6.2.3.

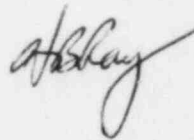
On August 31, 1983, CEAC 2 again indicated excessive auto-restarts within the previous 12 hour interval and was taken out of service at 1300 to perform the Channel Functional Test required by Action Statement 7. The functional test demonstrated calculator operability, but because of the short time interval since its last repair for a similar occurrence, the calculator was not returned to service and further investigation was performed. During this investigation, the requirements of Action Statement 6a were satisfied.

Extensive troubleshooting of CEAC 2 failed to identify the cause for the auto-restarts and CEAC 2 was returned to service on September 1, 1983, at 1630 in accordance with Procedure S023-II-6.2.3.

There was no impact on plant operations or the health and safety of plant personnel or the public. Enclosed LER 83-066 addresses these events. This report was due September 29, 1983, but is being submitted one day late in order to gather additional information required for a complete report.

If there are any questions regarding the above, please contact me.

Sincerely,



Enclosure: LER NO. 83-066

cc: A. E. Chaffee (USNRC Resident Inspector, Units 2 and 3)
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

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