



Southern California Edison Company

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November 29, 1990

F. R. NANDY
MANAGER, NUCLEAR LICENSING

TELEPHONE
(714) 454-4504

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

Gentlemen:

Subject: **Docket No. 50-206**
Evaluation of the As Found Condition
Thermal Shield Original Support System
San Onofre Nuclear Generating Station Unit 1

The purpose of this letter is to provide the NRC with the Westinghouse evaluation of the as found condition of the thermal shield original support system. This information was requested by the NRC in a telephone discussion on October 26, 1990.

The enclosed evaluation of the as found condition provides Westinghouse's assessment of the lower reactor internals and vessel inspection data. This data consisted of five video tapes of SONGS 1 taken during the Summer, 1990. The report concludes that the condition of the thermal shield and its supporting hardware closely resemble those predicted in Westinghouse WCAP-12148, dated February 1989. The report also concludes that the as found condition did not pose any undue risk to the health and safety of the public.

In addition to the Westinghouse evaluation, a root cause evaluation of the failure of the thermal shield support block fasteners is under way. Visual examination of the failed hidden bolts has been performed. However, determination of the fracture mode was hindered by the presence of high temperature oxidation on the surface of the material. The retrieved lower

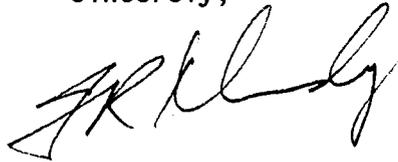
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block fasteners are being shipped to General Atomics laboratory for further analysis.

If you have any questions or comments, or if you would like additional information, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to be "J. B. Martin", written in a cursive style.

Enclosure

cc: J. B. Martin, Regional Administrator, NRC Region V
C. Caldwell, NRC Senior Resident Inspector, San Onofre Units 1, 2 and 3
C. D. Townsend, NRC Resident Inspector, San Onofre Unit 1

ENCLOSURE
WESTINGHOUSE EVALUATION OF THE AS FOUND CONDITION



Westinghouse
Electric Corporation

Energy Systems

Nuclear and Advanced
Technology Division

Box 2728
Pittsburgh Pennsylvania 15230-2728

SCE-90-695
MED-RPV-3056
October 30, 1990

Mr. R. Ashe-Everest
San Onofre Nuclear Generating Station
Station Technical Division
P.O. Box 128
San Clemente, CA 92674-0128

SOUTHERN CALIFORNIA EDISON
SAN ONOFRE NUCLEAR GENERATING STATION UNIT 1
Review and Assessment of SONGS 1
Lower Reactor Internals and Vessel Inspection
(Summer 1990)

Dear Mr. Ashe-Everest:

Please find attached a report providing a review and assessment of the lower reactor internals and vessel inspection data provided to Westinghouse. This data consisted of five video tapes taken during the summer, 1990 at SONGS 1.

If you have any questions, please contact Chuck Boyd at (412)-256-6343.

Sincerely,

David Forayth

for H. C. Calton, Manager
Western Region
Domestic Customer Projects
Department

/DRF

Attachment

cc: J. T. Reilly
R. W. Waldo
M. Motamed
SONGS CDM Center

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