

January 27, 1992

Docket No. 50-206

Mr. Harold B. Ray
Senior Vice President
Southern California Edison Company
Irvine Operations Center
23 Parker Street
Irvine, California 92718

Dear Mr. Ray:

SUBJECT: UNIT 1 THERMAL SHIELD FASTENER EVALUATION AT THE BROOKHAVEN
NATIONAL LABORATORY (TAC No. M75107)

As part of the NRC evaluation of the 1990 San Onofre Unit 1 thermal shield repair, samples of locking fasteners, of the type used to attach the thermal shield inside the reactor, were sent to the Brookhaven National Laboratory for testing. The test subjected the fasteners to a simulated reactor environment to determine if the fasteners were susceptible to stress corrosion cracking.

The enclosed Brookhaven report, "Corrosion Testing of Thermal Shield Support System - San Onofre Nuclear Generating Station" dated December 1991, concludes that (1) the locking devices did not show evidence of corrosion cracking, and (2) the locking devices retained their original torque values during the test program. This letter documents completion of work designated by TAC No. M75107.

Sincerely,

Original signed by
George Kalman, Sr. Project Manager
Project Directorate V
Division of Reactor Projects, III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script that reads "George Kalman".

George Kalman, Sr. Project Manager
Project Directorate V
Division of Reactor Projects, III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

Mr. Harold B. Ray
Southern California Edison Company

San Onofre Nuclear Generating
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