

April 2, 1990

Docket Nos. 50-361
and 50-362

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

Mr. Gary D. Cotton
Senior Vice President
Engineering and Operations
San Diego Gas & Electric Co.
101 Ash Street
San Diego, California 92112

Gentlemen:

SUBJECT: SUPPLEMENT TO ENVIRONMENTAL ASSESSMENT DATED FEBRUARY 27, 1990 AND FINDING NO SIGNIFICANT IMPACT - SPENT FUEL POOL EXPANSION (TAC NOS. 68308 AND 68309)

On February 27, 1990, the NRC staff issued an Environmental Assessment related to the license amendment that would increase the maximum storage capacity of the spent fuel pools at San Onofre Nuclear Generating Station, Unit Nos. 2 and 3. An Issuance of Environmental Assessment and Finding of No Significant Impact was published in the Federal Register on March 7, 1990 (55 FR 8248).

An error in the Environmental Assessment has prompted an additional review by our staff in regard to Section 3.0, "Radiological Impact Assessment." As a result, a supplement to the Environmental Assessment was completed which reflects the results of our review. This supplement does not change the conclusions of the original Environmental Assessment nor change the conclusions set forth in the Federal Register notice. Additionally, the supplement to the Environment Assessment does not alter the previous finding of no significant impact. However, this supplement will be published in the Federal Register.

Sincerely,
original signed by

Lawrence E. Kokajko, Project Manager
Project Directorate V
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See next page

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[EA SUPP 68308/9]

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Sincerely,

Lawrence E. Kokajko, Project Manager
Project Directorate V
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

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

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Sincerely,

A handwritten signature in cursive script, appearing to read "L. E. Kokajko".

Lawrence E. Kokajko, Project Manager
Project Directorate V
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See next page

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Southern California Edison Company

San Onofre Nuclear Generating
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UNITED STATES NUCLEAR REGULATORY COMMISSION
SOUTHERN CALIFORNIA EDISON COMPANY
SAN DIEGO GAS AND ELECTRIC COMPANY
THE CITY OF RIVERSIDE, CALIFORNIA
THE CITY OF ANAHEIM, CALIFORNIA
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NOS. 2 AND 3
DOCKET NOS. 50-361 AND 50-362
SUPPLEMENT TO ENVIRONMENTAL ASSESSMENT
AND FINDING OF NO SIGNIFICANT IMPACT
RELATING TO SPENT FUEL POOL RERACKING

BACKGROUND

On February 27, 1990, the NRC staff issued an Environmental Assessment related to the license amendment that would increase the maximum storage capacity of the spent fuel pools at San Onofre Nuclear Generating Station, Unit Nos. 2 and 3. An Issuance of Environmental Assessment and Finding of No Significant Impact was published in the Federal Register on March 7, 1990 (55 FR 8248).

An error was detected in the Environmental Assessment in regard to Section 3.0, "Radiological Impact Assessment." The staff determined that an additional review of the available documentation was necessary in order to determine if the conclusions of the original Environmental Assessment remained valid.

This supplement to the Environmental Assessment reflects the results

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of the staff's review. The staff has determined that the conclusions of the original Environmental Assessment remain valid. Moreover, the original finding of no significant impact remains valid also.

However, this supplement will correct the error that was detected in the Environmental Assessment. Section 3.0, entitled "Radiological Impact Assessment," has been corrected to reflect the modified information. Section 3.0 is corrected to read as follows:

RADIOLOGICAL IMPACT ASSESSMENT

The occupational exposure for the proposed modification of the SFPs is estimated by the licensee to be less than 41 person-rems per unit based on the detailed breakdown of occupational dose for each phase of operation. This dose is approximately 12 percent of the average annual occupational dose person-rem experienced at PWRs in the United States, which is currently about 340 person-rems per unit. The total dose incurred during the reracking of the SFPs is expected to be a small fraction of the total occupational radiation dose incurred from operating San Onofre Units 2 and 3.

Additionally, we have evaluated the increase in onsite occupational dose during normal operations, after pool modifications, resulting from the proposed increase in the number of fuel assemblies stored in the pool. Based on the present and projected operations in the SFP areas, we estimate that the proposed modifications will increase the total annual occupational exposure at both units

by less than one percent.

The licensee intends to take ALARA considerations into account, and to implement reasonable dose-saving activities. We conclude that the licensee will be able to maintain individual occupational exposures within the applicable limits of 10 CFR Part 20, and maintain doses ALARA, consistent with the guidelines of Regulatory Guide 8.8.

Thus, we conclude that the proposed storage of spent fuel in the modified SFF will not result in any significant increase in doses received by workers.

FINDING OF NO SIGNIFICANT IMPACT

The staff has reviewed the proposed spent fuel pool expansion to the facility relative to the requirements set forth in 10 CFR Part 51. Based on this assessment, the staff concludes that there are no significant radiological impacts associated with the proposed action and that the issuance of the proposed amendment to the license will have no significant impact on the quality of the human environment. Therefore, pursuant to 10 CFR 51.31, no environmental impact statement needs to be prepared for this action.

For further details with respect to this action, see (1) the application for amendment dated March 10, 1989, as supplemented by letters dated April 19, May 4, May 19, June 1, June 2, September 22, November 2, and November 9, 1989, and January 18, February 9, February 16, 1990 and March 20, 1990; (2) the FGEIS on Handling and Storage of Spent Light Water Power Reactor Fuel

(NUREG-0575); (3) the FES for SONGS 2/3 dated April 1981; and (4) the Environmental Assessment dated February 27, 1990 (55 FR 8248).

These documents are available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. 20555 and at the General Library, University of California, P.O. Box 19557, Irvine, California 92713.

Dated at Rockville, Maryland, this 2nd day of April 1990.

FOR THE NUCLEAR REGULATORY COMMISSION

Charles M. Trammell III
Charles M. Trammell III, Acting Director
Project Directorate V
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation