

January 16, 2008

Mr. Richard M. Rosenblum
Senior Vice President and Chief Nuclear Officer
Southern California Edison Company
San Onofre Nuclear Generating Station
P.O. Box 128
San Clemente, CA 92674-0128

SUBJECT: SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3 – REQUEST FOR
ADDITIONAL INFORMATION ON LICENSE AMENDMENT REQUEST FOR
ONE-TIME EXTENSION FROM THE CURRENTLY APPROVED 15-YEAR
INTERVAL SINCE THE LAST INTEGRATED LEAK RATE TEST (TAC NO.
MD6835)

Dear Mr. Rosenblum:

By letter dated September 24, 2007 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML072681094), Southern California Edison (the licensee) submitted an application requesting for a one-time extension from the currently approved 15-year interval since the last Integrated Leak Rate Test (ILRT) to a 16-year interval since the last ILRT for the San Onofre Nuclear Generating Station, Unit 3.

After reviewing your request, the Nuclear Regulatory Commission staff has determined that additional information outlined in the enclosure is needed to complete the review. We discussed this information with your staff by telephone and they agreed to provide the additional information requested within 30 days of the receipt of this letter.

If you have any questions, please contact me at (301) 415-1480.

Sincerely,

/RA/

N. Kalyanam, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-362

Enclosure: Request for Additional Information

cc w/encl: See next page

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SUBJECT: SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3 – REQUEST FOR ADDITIONAL INFORMATION ON LICENSE AMENDMENT REQUEST FOR ONE-TIME EXTENSION FROM THE CURRENTLY APPROVED 15-YEAR INTERVAL SINCE THE LAST INTEGRATED LEAK RATE TEST (TAC NO. MD6835)

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ADAMS Accession No.: ML080100012

(*)No major change from Staff provided RAI

OFFICE	NRR/LPL4/PM	NRR/LPL4/LA	NRR/DAR/APLA*	NRR/LPL4/BC
NAME	NKalyanam	JBurkhardt	MRubin (*)	THiltz
DATE	1/16/08	1/11/08	12/20/07	1/16/08

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REQUEST FOR ADDITIONAL INFORMATION
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3
TECHNICAL SPECIFICATIONS CHANGES FOR
EXTENSION OF THE 15-YEAR INTERVAL FOR THE
INTEGRATED LEAK RATE TEST TO A 16-YEAR INTERVAL

1. The request for a one-time extension from the currently approved 15-year Integrated Leak Rate Test (ILRT) interval to a 16-year ILRT interval is based on a later version of the San Onofre Nuclear Generating Station, Unit 3 (SONGS 3) probabilistic risk analysis (PRA) and offsite consequence analysis used to support the 15-year extension (as provided in Southern California Edison's May 27, 2005, letter (Agencywide Documents Access and Management System (ADAMS) Accession No. ML051530089). Please provide a description of:
 - a. the major changes to the Level 1 PRA that resulted in the increase in internal events core damage frequency from $1.79E-5$ per year to $3.00E-5$ per year,
 - b. the major changes to the Level 2 PRA and/or offsite consequence analysis that resulted in the reduction in the baseline offsite population dose from 35.5 to 9.7 person-roentgen man equivalent man (rem) per year for internal events, and from 72.9 to 12.2 person-rem per year for internal and external events combined, and
 - c. the internal and external reviews of the above changes, and the findings and recommendations from these reviews.

2. The baseline risk assessment indicates that the increase in large early release frequency (LERF) resulting from a change in the ILRT interval from three tests in 10 years to one test in 16 years is $5.27E-7$ per year (for internal and external events combined). This value was subsequently reduced to $8.69E-8$ per year through three successive refinements in the analysis that credited: (a) removal of sequences with operation of containment sprays or flooding of ex-vessel core debris, (b) more realistic treatment of the probability of sump clogging, and (c) removal of additional sequences in which key fission products would not be released in an early timeframe. The total LERF for SONGS 3 is not reported in the submittal. Please provide the total LERF (for internal events as well as internal and external events combined) for the baseline analysis and for each of the three refined analyses.

Waterford Steam Electric Station, Unit 3

cc:

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