

March 13, 1990

Docket No. 50-206

DISTRIBUTION  
Docket File  
NRC & LPDRs  
CTrammell (2)  
JZwolinski  
PShea  
OGC-White Flint  
PD5 Plant File  
EJordan  
BGrimes  
ACRS (10)  
JTatum (2)  
JTsao

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

Dear Mr. Ray:

SUBJECT: 10 CFR 50 APPENDIX G, FRACTURE TOUGHNESS (GL 88-11)  
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NO. 1  
(TAC NO. 71545)

In a letter dated January 3, 1990, you provided clarification regarding the bases for San Onofre Unit 1 compliance with 10 CFR 50, Appendix G, requirements. We discussed this matter as well as other aspects of your response to Generic Letter 88-11 (letter dated December 16, 1988) with members of your staff in a conference call on February 13, 1990. As a result of our review of your submittals and based on the information discussed with your staff, we have determined that the information requested in the enclosure to this letter is required for us to continue our review. Please provide this additional information, as well as the results of your continuing evaluation of this matter (referred to in your letter dated January 3, 1990) within 90 days of your receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under Pub. L. 96-511.

Please contact us if you should have any questions regarding this request.

Sincerely,

original signed by James E. Tatum  
James E. Tatum, Senior Project Manager  
Project Directorate V  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

DRSP/PD5  
PShea *plus*  
3/7/90

EMCB  
JTsao  
3/9/90

DRSP/PD5  
JTatum:dr  
3/9/90

DRSP/PD5  
CTrammell  
3/12/90

OFFICIAL RECORD COPY  
[S01 RAI 71545]

*DF-01*  
*11 MA-4*



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

March 13, 1990

Docket No. 50-206

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

Dear Mr. Ray:

SUBJECT: 10 CFR 50 APPENDIX G, FRACTURE TOUGHNESS (GL 88-11)  
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NO. 1  
(TAC NO. 71545)

In a letter dated January 3, 1990, you provided clarification regarding the bases for San Onofre Unit 1 compliance with 10 CFR 50, Appendix G, requirements. We discussed this matter as well as other aspects of your response to Generic Letter 88-11 (letter dated December 16, 1988) with members of your staff in a conference call on February 13, 1990. As a result of our review of your submittals and based on the information discussed with your staff, we have determined that the information requested in the enclosure to this letter is required for us to continue our review. Please provide this additional information, as well as the results of your continuing evaluation of this matter (referred to in your letter dated January 3, 1990) within 90 days of your receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under Pub. L. 96-511.

Please contact us if you should have any questions regarding this request.

Sincerely,

A handwritten signature in cursive script that reads "James E. Tatum".

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

Enclosure:  
As stated

cc w/enclosure:  
See next page

Mr. Harold B. Ray  
Southern California Edison Company

San Onofre Nuclear Generating  
Station, Unit No. 1

cc  
David R. Pigott  
Orrick, Herrington & Sutcliffe  
600 Montgomery Street  
San Francisco, California 94111

Mr. Richard J. Kosiba, Project Manager  
Bechtel Power Corporation  
12440 E. Imperial Highway  
Norwalk, California 90650

Mr. Robert G. Lacy  
Manager, Nuclear  
San Diego Gas & Electric Company  
P. O. Box 1831  
San Diego, California 92112

Mr. Phil Johnson  
U.S. Nuclear Regulatory Commission  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Resident Inspector/San Onofre NPS  
U.S. NRC  
P. O. Box 4329  
San Clemente, California 92672

Mayor  
City of San Clemente  
San Clemente, California 92672

Chairman  
Board of Supervisors  
County of San Diego  
1600 Pacific Highway Room 335  
San Diego, California 92101

Regional Administrator, Region V  
U.S. Nuclear Regulatory Commission  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Mr. John Hickman  
Senior Health Physicist  
Environmental Radioactive  
Management Unit  
Environmental Management Branch  
State Department of Health Services  
714 P Street, Room 616  
Sacramento, California 95814

Mr. Don Womeldorf  
Chief Environmental Management  
California Department of Health  
714 P Street, Room 616  
Sacramento, California 95814

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

RE: RESPONSE TO GENERIC LETTER 88-11

1. As discussed during the conference call, please provide the results of your revised calculations after making appropriate corrections for a transcription error that you identified and for reduced fluence data. Also, provide the basis for your reduced fluence determination.
2. Please state your basis for using the methodology of Regulatory Guide (RG) 1.99, Revision 2, paragraph C.2, in your calculations along with supporting details/analyses (i.e., "same heat" argument).
3. With regard to charpy upper shelf energy, please provide the results of your calculations using:
  - a. The methods of RG 1.99 Rev. 2
  - b. The alternate method that was discussed which credits saturation effects. In this case, also provide supporting details for your conclusions.