



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

January 30, 1990

Docket Nos. 50-361
and 50-362

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

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

Gentlemen:

SUBJECT: SAFETY EVALUATION REPORT REGARDING COMPLIANCE WITH THE ATWS RULE,
10 CFR 50.62 FOR SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NOS.
2 AND 3 (TAC NOS. 59139 AND 59140)

The ATWS Rule (10 CFR 50.62, "Requirements for Reduction of Risk from Anticipated Transients Without Scram (ATWS) Events for Light-Water-Cooled Nuclear Power Plants") requires improvements in the design and operation of commercial nuclear power facilities to reduce the likelihood of failure to shutdown the reactor following anticipated transients, and to mitigate the consequences of an ATWS event. The requirements for Combustion Engineering plants such as San Onofre Units 2 and 3 are to provide a diverse scram system (DSS), diverse emergency feedwater actuation system (DEFAS) and diverse initiation of turbine trip (DTT). Paragraph (c)(6) of the rule requires that information sufficient to demonstrate compliance with the requirements be submitted to NRR.

By letters dated November 22 and December 29, 1988, and November 2, 1989, Southern California Edison Company provided information concerning implementation of the ATWS Rule requirements at San Onofre Units 2 and 3. The Instrumentation and Control Systems Branch and the EG&G Idaho Inc., our consultant, have reviewed this information. Based on this review, we have concluded that the DSS and DTT designs are acceptable.

However, the licensee's request for an exemption from installing diverse auxiliary feedwater actuation circuitry is not acceptable. The licensee is required to meet the requirements of 10 CFR 50.62 regarding DEFAS. The staff informed the licensee during a meeting with the CEOG on July 12, 1989 that the implementation of the ATWS Rule should be independent of the staff's review of the DEFAS. The evaluation of the DEFAS for compliance with the ATWS Rule will be addressed in a separate document.

Additionally, your letter on December 5, 1989 committed to installing DEFAS on Unit 2 during the Cycle 6 refueling outage, which is currently scheduled to

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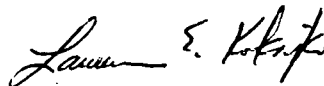
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Messrs Ray and Cotton

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begin in September 1991. Installation on Unit 3 will occur no later than after the end of the Unit 2 Cycle 6 refueling outage, or before if conditions permit. We understand that you are prepared, if necessary, to shutdown Unit 3 in order to meet this DEFAS implementation schedule. We also note that you intend to submit a description of the San Onofre Units 2 and 3 DEFAS design, including identification of the differences between the San Onofre design and the CEQG generic design, by March 1, 1990. Therefore, we find that your DEFAS implementation schedule as outlined in the December 5, 1989 letter acceptable.

Sincerely,



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

Enclosures:
As stated

cc w/enclosure:
See next page

Messrs Ray and Cotton
Southern California Edison Company

San Onofre Nuclear Generating
Station, Units 2 and 3

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Sincerely,

original signed by Lawrence Kokajko

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

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As stated

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