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 FACIL: 50-361 San Onofre Nuclear Station, Unit 2, Southern Californ 05000361  
 AUTH. NAME AUTHOR AFFILIATION  
 KERRIGAN, J. Licensing Branch 3  
 RECIP. NAME RECIPIENT AFFILIATION  
 DIETCH, R. Southern California Edison Co.  
 COTTON, G. D. San Diego Gas & Electric Co.  
 BERNATH, L. San Diego Gas & Electric Co.

SUBJECT: Forwards Amend 9 to License NPF-10, safety evaluation & notice of issuance & availability. Amend changes Tech Specs to allow operation in Modes 2 & 3 w/turbine overspeed protection sys inoperable.

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MLO22280

OCT 7 1982

Docket No: 50-361

Mr. Robert Dietch  
Vice President  
Southern California Edison Company  
2244 Walnut Grove Avenue  
Post Office Box 800  
Rosemead, California 91770

Mr. Gary D. Cotton  
Mr. Louis Bernath  
San Diego Gas & Electric Company  
101 Ash Street  
Post Office Box 1831  
San Diego, California 92112

Gentlemen:

Subject: Issuance of Amendment No. 9 to Facility Operating License NPF-10  
San Onofre Nuclear Generating Station, Unit 2

The Nuclear Regulatory Commission has issued Amendment No. 9 to Facility Operating License NPF-10 for the San Onofre Nuclear Station, Unit 2, located in San Diego County, California.

This amendment is in response to your letter dated September 30, 1982. The amendment changes the Technical Specifications to allow operation in MODES 2 and 3 with the turbine overspeed protection system inoperable, provided the main steam isolation valves and their bypass line valves are fully closed.

A copy of the related Safety Evaluation supporting Amendment No. 9 to Facility Operating License NPF-10 is enclosed. Also, enclosed is a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

Sincerely

*JS*

Janis Kerrigan, Acting Chief  
Licensing Branch No. 3  
Division of Licensing

*NOOY*

Enclosures:

- 1. Amendment No. 9
- 2. Safety Evaluation
- 3. Federal Register Notice

cc w/enclosures:  
See next page

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OFFICE	DL:LB#3	DL:LB#3	DL:LB#3	DL:AD/			
SURNAME	JLbe/yt	HRood	JKerrigan	TMIyovak			
DATE	10/4/82	10/4/82	10/4/82	10/4/82			

Mr. Robert Dietch  
Vice President  
Southern California Edison Company  
2244 Walnut Grove Avenue  
P. O. Box 800  
Rosemead, California 91770

Mr. Gary D. Cotton  
Mr. Louis Bernath  
San Diego Gas & Electric Company  
101 Ash Street  
San Diego, California 92112

cc: Charles R. Kocher, Esq.  
James A. Beoletto, Esq.  
Southern California Edison Company  
2244 Walnut Grove Avenue  
P. O. Box 800  
Rosemead, California 91770

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

Mr. George Carvalho  
City Manager  
City of San Clemente  
100 Avenida Presidio  
San Clemente, California 92672

Alan R. Watts, Esq.  
Rourke & Woodruff  
Suite 1020  
1055 North Main Street  
Santa Ana, California 92701

Lawrence Q. Garcia, Esq.  
California Public Utilities Commission  
5066 State Building  
San Francisco, California 94102

Mr. V. C. Hall  
Combustion Engineering, Inc.  
1000 Prospect Hill Road  
Windsor, Connecticut 06095

Mr. S. McClusky  
Bechtel Power Corporation  
P. O. Box 60860, Terminal Annex  
Los Angeles, California 90060

Mr. Dennis F. Kirsch  
U.S. Nuclear Regulatory Comm. - Reg. V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Mr. Mark Medford  
Southern California Edison Company  
2244 Walnut Grove Avenue  
P. O. Box 800  
Rosemead, California 91770

Mr. Henry Peters  
San Diego Gas & Electric Company  
P. O. Box 1831  
San Diego, California 92112

Ms. Lyn Harris Hicks  
Advocate for GUARD  
3908 Calle Ariana  
San Clemente, California 92672

Richard J. Wharton, Esq.  
University of San Diego School of Law  
Environmental Law Clinic  
San Diego, California 92110

Phyllis M. Gallagher, Esq.  
Suite 222  
1695 West Crescent Avenue  
Anaheim, California 92701

Mr. A. S. Carstens  
2071 Caminito Circulo Norte  
Mt. La Jolla, California 92037

Charles E. McClung, Jr., Esq.  
Attorney at Law  
24012 Calle de la Plata/Suite 330  
Laguna Hills, California 92653

Resident Inspector, San Onofre/NPS,  
c/o U.S. Nuclear Regulatory Commission  
P. O. Box 4329  
San Clemente, California 92672

Regional Administrator-Region V/NRC  
1450 Maria Lane/Suite 210  
Walnut Creek, California 94596

California Department of Health  
ATTN: Chief, Environmental Radiation  
Control Unit  
RAdiological Health Section  
714 P Street, Room 498  
Sacramento, California 95814

Chairman, Board of Supervisors  
San Diego County  
San Diego, California 92672

Mayor, City of San Clemente  
San Clemente, California 92672

U. S. Environmental Protection Agency  
ATTN: EIS Coordinator  
Region IX Office  
215 Fremont Street  
San Francisco, California 94111

California State Library  
Government Publication Section  
Library and Courts Building  
Sacramento, CA 95841  
ATTN: Mary Schell

SOUTHERN CALIFORNIA EDISON COMPANY

SAN DIEGO GAS AND ELECTRIC COMPANY

THE CITY OF RIVERSIDE CALIFORNIA

THE CITY OF ANAHEIM, CALIFORNIA

DOCKET NO. 50-361

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 9  
License No. NPF-10

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment for the San Onofre Nuclear Generating Station, Unit 2 (the facility) filed by the Southern California Edison Company on behalf of itself and San Diego Gas and Electric Company, The City of Riverside and The City of Anaheim, California (licensees) complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
  - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public;
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C(2) of Facility Operating License No. NPF-10 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 9, are hereby incorporated in the license. SCE shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*RS/*

Janis Kerrigan, Acting Chief  
Licensing Branch No. 3  
Division of Licensing

Date of Issuance: OCT 7 1982

*no level objection subject to change in son*

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SURNAME	JLee/yt	HRood	JKerrigan	TMovak	LChandler		
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ATTACHMENT TO LICENSE AMENDMENT NO. 9

FACILITY OPERATING LICENSE NO. NPF-10

DOCKET NO. 50-361

Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

Overleaf

Page

N/A

Amendment

Page

3/4 3-75

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## INSTRUMENTATION

### 3/4.3.4 TURBINE OVERSPEED PROTECTION

#### LIMITING CONDITION FOR OPERATION

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3.3.4 At least one turbine overspeed protection system shall be OPERABLE.

APPLICABILITY: MODES 1, 2\* and 3.\*

ACTION:

- a. With one stop valve or one control valve per high pressure turbine steam lead inoperable and/or with one reheat stop valve or one reheat intercept valve per low pressure turbine steam lead inoperable, restore the inoperable valve(s) to OPERABLE status within 72 hours, or close at least one valve in the affected steam lead or isolate the turbine from the steam supply within the next 6 hours.
- b. With the above required turbine overspeed protection system otherwise inoperable, within 6 hours isolate the turbine from the steam supply.

#### SURVEILLANCE REQUIREMENTS

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4.3.4.1 The provisions of Specification 4.0.4 are not applicable.

4.3.4.2 The above required turbine overspeed protection system shall be demonstrated OPERABLE:

- a. At least once per 7 days by cycling each of the following valves through at least one complete cycle from the running position.
  1. Four high pressure turbine stop valves.
  2. Four high pressure turbine control valves.
  3. Six low pressure turbine reheat stop valves.
  4. Six low pressure turbine reheat intercept valves.
- b. At least once per 31 days by direct observation of the movement of each of the above valves through one complete cycle from the running position.
- c. At least once per 18 months by performance of a CHANNEL CALIBRATION on the turbine overspeed protection systems.
- d. At least once per 40 months by disassembling at least one of each of the above valves and performing a visual and surface inspection of valve seats, disks and stems and verifying no unacceptable flaws or corrosion.

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\*With any main steam line isolation valve and/or any main steam line isolation valve bypass valve not fully closed.

SAFETY EVALUATION  
 AMENDMENT 9 to NPF-10  
 SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2  
 DOCKET NO. 50-361

Introduction

By letter dated September 30, 1982, the licensees requested that Technical Specification 3.3.4 be modified to allow operation in MODES 2 and 3 with the turbine overspeed protection system inoperable, provided that the main steam isolation valves and their bypass line valves remain fully closed.

Evaluation

In their letter of September 30, 1982, the licensees state that the basis for the turbine overspeed protection system limiting condition for operation is to ensure that the probability of turbine missiles being generated is acceptably low. The present Limiting Condition for Operation (LCO) of Technical Specification 3.3.4 requires the overspeed protection system to be operable when the plant is in MODES 1, 2, and 3. The proposed LCO allows continued operation in MODES 2 and 3 with the MSIVs and MSIV bypass valves shut when the overspeed protection system is inoperable. The turbine is normally operated in MODE 1 (power above 5%); however isolation of steam from the turbine is feasible in MODES 2 and 3, thus precluding a turbine missile potential due to overspeed.

We have evaluated the proposed change and conclude that it provides protection against turbine overspeed that is comparable to the existing LCO, and, therefore, find it to be acceptable.

Environmental Consideration

We have determined that this amendment does not authorize a change in effluent types or total amount nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that this amendment involves action which is insignificant from the standpoint of environmental impact, and, pursuant to 10 CFR Section 51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

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Conclusion

Based upon our evaluation of the proposed change to the San Onofre, Unit 2 Technical Specifications, we have concluded that: (1) because this amendment does not involve a significant increase in the probability or consequences of accidents previously considered, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant decrease in a safety margin, this amendment does not involve a significant safety hazards consideration; (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public. We, therefore, conclude that the proposed changes are acceptable.

Dated: OCT 7 1982

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UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-361

SOUTHERN CALIFORNIA EDISON COMPANY, ET AL

NOTICE OF ISSUANCE OF AMENDMENT

FACILITY OPERATING LICENSE NO. NPF-10

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 9 to Facility Operating License No. NPF-10, issued to Southern California Edison Company, San Diego Gas and Electric Company, The City of Riverside, California and The City of Anaheim, California (licensees) for the San Onofre Nuclear Generating Station, Unit 2 (the facility) located in San Diego County, California. This amendment is effective as of the date of issuance.

Amendment No. 9 changes the Technical Specifications to allow operation in MODES 2 and 3 with the turbine overspeed protection system inoperable, provided that steam is isolated from the turbine.

Issuance of this amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in 10 CFR Chapter I, which are set forth in the license amendment.

Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

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The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR 51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) Southern California Edison Company's letter dated September 30, 1982, (2) Amendment No. 9 to Facility Operating License No. NPF-10, and (3) the Commission's related Safety Evaluation.

These items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and the San Clemente Library, 242 Avenida Del Mar, San Clemente, California 92672. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 7<sup>th</sup> day of October, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

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Victor Nerses, Acting Chief  
Licensing Branch No. 3  
Division of Licensing

\*See previous yellow for concurrence

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- 2 -

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Dated at Bethesda, Maryland, this        day of October, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

Janis Kerrigan, Acting Chief  
Licensing Branch No. 3  
Division of Licensing

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For further details with respect to this action, see (1) Southern California Edison Company's letter dated September 30, 1982, (2) Amendment No. 9 to Facility Operating License No. MPF-10, and (3) the Commission's related Safety Evaluation.

These items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and the San Clemente Library, 242 Avenida Del Mar, San Clemente, California 02672. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this            day of October, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

Janis Kerrigan, Acting Chief  
Licensing Branch No. 3  
Division of Licensing

*no legal objection*

OFFICE	DL:LB#3	DL:LB#3	DL:LB#3	DL:LB#3			
SURNAME	JLH/yt	HRood	JKerrigan	WChandler			
DATE	10/4/82	10/4/82	10/4/82	10/4/82			