



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 7, 2001

Mr. Gregory M. Rueger  
Senior Vice President, Generation and  
Chief Nuclear Officer  
Pacific Gas and Electric Company  
Diablo Canyon Nuclear Power Plant  
P. O. Box 3  
Avila Beach, CA 94177

SUBJECT: DIABLO CANYON NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 -  
ISSUANCE OF AMENDMENT RE: REVISION OF TECHNICAL  
SPECIFICATIONS (TSs) SECTION 5.0 TO CHANGE MANAGEMENT TITLES  
(TAC NOS. MB0723 AND MB0724)

Dear Mr. Rueger:

The Commission has issued the enclosed Amendment No. 146 to Facility Operating License No. DPR-80 and Amendment No. 145 to Facility Operating License No. DPR-82 for the Diablo Canyon Nuclear Power Plant (DCPP), Unit Nos. 1 and 2, respectively. The amendments are in response to your application dated December 6, 2000.


The amendments revise TS Section 5.0 to change management titles from (a) "Vice President, Diablo Canyon Operations and Plant Manager" to "plant manager," (b) "Senior Vice President and General Manager - Nuclear Power Generation" to "specified corporate officer," (c) "Radiation Protection Director" to "radiation protection manager," and (d) "Operations Director" to "operations manager."

These changes that replace specific management titles with generic titles are consistent with the Industry/Technical Specification Task Force (TSTF) Standard Technical Specification Change Traveler TSTF-65, Revision 1, approved by the NRC on December 2, 1997.

112R-058

A copy of the related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next regular biweekly *Federal Register* notice.

Sincerely,



Girija S. Shukla, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-275  
and 50-323

Enclosures: 1. Amendment No. 146 to DPR-80  
2. Amendment No. 145 to DPR-82  
3. Safety Evaluation

cc w/encs: See next page

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RDennig

ACHu

EPeyton (RidsNrrLAEPeyton)

GShukla (RidsNrrPMGShukla)

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KBrockman/DBujol/LHurley (RidsRegion4MailCenter)

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OFFICE	PDIV-2/PM	PDIV-2/LA	RTSB/SC	OGC	PDIV-2/SC
NAME	GShukla:am	EPeyton	RLDennig	Mollett	SDembek
DATE	2/16/01	2/20/01	2/7/01	3-2-01	3/7/01

DOCUMENT NAME: G:\PDIV-2\DiabloCanyon\Amnd 0723 Mgmt Change.wpd

OFFICIAL RECORD COPY

A copy of the related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next regular biweekly *Federal Register* notice.

Sincerely,

A handwritten signature in black ink, reading "G. S. Shukla". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Girija S. Shukla, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-275  
and 50-323

Enclosures: 1. Amendment No. 146 to DPR-80  
2. Amendment No. 145 to DPR-82  
3. Safety Evaluation

cc w/encls: See next page

Diablo Canyon Power Plant, Units 1 and 2

cc:

NRC Resident Inspector  
Diablo Canyon Nuclear Power Plant  
c/o U.S. Nuclear Regulatory Commission  
P.O. Box 369  
Avila Beach, CA 93424

Dr. Richard Ferguson, Energy Chair  
Sierra Club California  
1100 11<sup>th</sup> Street, Suite 311  
Sacramento, CA 95814

Ms. Nancy Culver  
San Luis Obispo  
Mothers for Peace  
P.O. Box 164  
Pismo Beach, CA 93448

Chairman  
San Luis Obispo County Board of  
Supervisors  
Room 370  
County Government Center  
San Luis Obispo, CA 93408

Mr. Truman Burns  
Mr. Robert Kinoshian  
California Public Utilities Commission  
505 Van Ness, Room 4102  
San Francisco, CA 94102

Mr. Steve Hsu  
Radiologic Health Branch  
State Department of Health Services  
P.O. Box 942732  
Sacramento, CA 94327-7320

Diablo Canyon Independent Safety  
Committee  
ATTN: Robert R. Wellington, Esq.  
Legal Counsel  
857 Cass Street, Suite D  
Monterey, CA 93940

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
Harris Tower & Pavilion  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

Christopher J. Warner, Esq.  
Pacific Gas & Electric Company  
Post Office Box 7442  
San Francisco, CA 94120

Mr. David H. Oatley, Vice President  
Diablo Canyon Operations and  
Plant Manager  
Diablo Canyon Nuclear Power Plant  
P.O. Box 3  
Avila Beach, CA 93424

Telegram-Tribune  
ATTN: Managing Editor  
1321 Johnson Avenue  
P.O. Box 112  
San Luis Obispo, CA 93406

Mr. Ed Bailey, Radiation Program Director  
Radiologic Health Branch  
State Department of Health Services  
P.O. Box 942732 (MS 178)  
Sacramento, CA 94327-7320

Mr. Robert A. Laurie, Commissioner  
California Energy Commission  
1516 Ninth Street (MS 31)  
Sacramento, CA 95814



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

PACIFIC GAS AND ELECTRIC COMPANY

DOCKET NO. 50-275

DIABLO CANYON NUCLEAR POWER PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 146  
License No. DPR-80

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Pacific Gas and Electric Company (the licensee) dated December 6, 2000, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and 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;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - 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.
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. DPR-80 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. 146 , are hereby incorporated in the license. Pacific Gas and Electric Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan, except where otherwise stated in specific license conditions.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Stephen Dembek, Chief, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: March 7, 2001



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

PACIFIC GAS AND ELECTRIC COMPANY

DOCKET NO. 50-323

DIABLO CANYON NUCLEAR POWER PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 145  
License No. DPR-82

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Pacific Gas and Electric Company (the licensee) dated December 6, 2000, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and 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;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - 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.
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. DPR-82 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. 145 , are hereby incorporated in the license. Pacific Gas and Electric Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan, except where otherwise stated in specific license conditions.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Stephen Dembek, Chief, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: March 7, 2001

ATTACHMENT TO LICENSE AMENDMENT NO. 146

TO FACILITY OPERATING LICENSE NO. DPR-80

AND AMENDMENT NO. 145 TO FACILITY OPERATING LICENSE NO. DPR-82

DOCKET NOS. 50-275 AND 50-323

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

REMOVE

5.0-1  
5.0-2  
5.0-3  
5.0-4  
5.0-6

INSERT

5.0-1  
5.0-2  
5.0-3  
5.0-4  
5.0-6

## 5.0 ADMINISTRATIVE CONTROLS

### 5.1 Responsibility

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- 5.1.1 The plant manager shall be responsible for overall unit operation and shall delegate in writing the succession to this responsibility during his absence.

The plant manager or his designee shall approve, prior to implementation, each proposed test, experiment, or modification to systems or equipment that affect nuclear safety.

- 5.1.2 The Shift Foreman (SFM) shall be responsible for the control room command function. During any absence of the SFM from the control room while the unit is in MODE 1, 2, 3, or 4, an individual with an active Senior Reactor Operator (SRO) license shall be designated to assume the control room command function. During any absence of the SFM from the control room while the unit is in MODE 5 or 6, an individual with an active SRO license or Reactor Operator license shall be designated to assume the control room command function.
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## 5.0 ADMINISTRATIVE CONTROLS

### 5.2 Organization

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#### 5.2.1 Onsite and Offsite Organizations

Onsite and offsite organizations shall be established for unit operation and corporate management, respectively. The onsite and offsite organizations shall include the positions for activities affecting safety of the nuclear power plant.

- a. Lines of authority, responsibility, and communication shall be defined and established throughout highest management levels, intermediate levels, and all operating organization positions. These relationships shall be documented and updated, as appropriate, in organization charts, functional descriptions of departmental responsibilities and relationships, and job descriptions for key personnel positions, or in equivalent forms of documentation. These requirements, including the plant-specific titles of those personnel fulfilling the responsibilities of the positions delineated in these Technical Specifications, shall be documented in the FSAR Update;
- b. The plant manager shall be responsible for overall safe operation of the plant and shall have control over those onsite activities necessary for safe operation and maintenance of the plant;
- c. A specified corporate officer shall have corporate responsibility for overall plant nuclear safety and shall take any measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety; and
- d. The individuals who train the operating staff, carry out health physics, or perform quality assurance functions may report to the appropriate onsite manager; however, these individuals shall have sufficient organizational freedom to ensure their independence from operating pressures.

#### 5.2.2 Unit Staff

The unit staff organization shall include the following:

- a. A non-licensed operator shall be assigned to each reactor containing fuel with a total of three non-licensed operators required for both units.
- b. Shift crew composition may be one less than the minimum requirement of 10 CFR 50.54(m)(2)(i) and 5.2.2.a and 5.2.2.f for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements.
- c. A health physics technician shall be on site when fuel is in the reactor. The position may be vacant for not more than 2 hours, in order to provide for unexpected absence, provided immediate action is taken to fill the required position.

(continued)

## 5.2 Organization

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### 5.2.2 Unit Staff (continued)

- d. Administrative procedures shall be developed and implemented to limit the working hours of personnel who perform safety related functions (e.g., licensed Senior Reactor Operators (SROs), licensed Reactor Operators (ROs), health physic technicians, nuclear operators, and key maintenance personnel).  

The controls shall include guidelines on working hours that ensure adequate shift coverage shall be maintained without routine heavy use of overtime. Any deviation from the above guidelines shall be authorized in advance by the plant manager or the plant manager's designee, in accordance with approved administrative procedures, with documentation of the basis for granting the deviation. Routine deviation from the working hour guidelines shall not be authorized. Controls shall be included in the procedures to require that a periodic independent review be conducted to ensure that excessive hours have not been assigned.
  - e. The operations manager shall either hold a senior reactor operator license, have at one time held a senior reactor operator license for a pressurized water reactor, or be certified to a senior reactor operator equivalent level of knowledge. If the operations manager does not hold a senior reactor operator license, the person assigned to the Operations middle manager position shall hold a senior reactor operator license.
  - f. An individual shall provide advisory technical support to the unit operations shift crew in the areas of thermal hydraulics, reactor engineering, and plant analysis with regard to the safe operation of the unit. This position shall be manned in MODES 1, 2, 3, and 4 unless an individual with a SRO license meets the qualifications specified by the Commission Policy Statement on Engineering Expertise on Shift.
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## 5.0 ADMINISTRATIVE CONTROLS

### 5.3 Unit Staff Qualifications

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- 5.3.1 Each member of the plant staff shall meet or exceed the minimum qualifications of ANSI/ANS 3.1-1978 for comparable positions, except for the radiation protection manager who shall meet or exceed the qualifications of Regulatory Guide 1.8, Revision 2, April 1987 for radiation protection manager, and the operations manager as specified in ITS 5.2.2.e. The licensed Reactor Operators (ROs) and Senior Reactor Operators (SROs) shall also meet or exceed the minimum qualifications of 10 CFR Part 55 and the supplemental requirements specified in Section A of Enclosure 1 of the March 28, 1980 NRC letter to all licensees.

A retraining and replacement training program for the plant staff shall be maintained under the direction of a designated member of the facility staff and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and 10 CFR Part 55.

- 5.3.2 For the purpose of 10 CFR 55.4, a licensed SRO and a licensed RO are those individuals who, in addition to meeting the requirements of TS 5.3.1, perform the functions described in 10 CFR 50.54(m).
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## 5.0 ADMINISTRATIVE CONTROLS

### 5.5 Programs and Manuals

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The following programs shall be established, implemented, and maintained.

#### 5.5.1 Offsite Dose Calculation Manual (ODCM)

- a. The ODCM shall contain the methodology and parameters used in the calculation of offsite doses resulting from radioactive gaseous and liquid effluents, in the calculation of gaseous and liquid effluent monitoring alarm and trip setpoints, and in the conduct of the radiological environmental monitoring program; and
- b. The ODCM shall also contain the radioactive effluent controls and radiological environmental monitoring activities, and descriptions of the information that should be included in the Annual Radiological Environmental Operating, and Radioactive Effluent Release Reports required by Specification 5.6.2 and Specification 5.6.3.

Licensee initiated changes to the ODCM:

- a. Shall be documented and records of reviews performed shall be retained. This documentation shall contain:
  - 1. sufficient information to support the change(s) together with the appropriate analyses or evaluations justifying the change(s), and
  - 2. a determination that the change(s) maintain the levels of radioactive effluent control required by 10 CFR 20.1302, 40 CFR 190, 10 CFR 50.36a, and 10 CFR 50, Appendix I, and not adversely impact the accuracy or reliability of effluent, dose, or setpoint calculations;
- b. Shall become effective after the approval of the plant manager; and
- c. Shall be submitted to the NRC in the form of a complete, legible copy of the entire ODCM as a part of or concurrent with the Radioactive Effluent Release Report for the period of the report in which any change in the ODCM was made. Each change shall be identified by markings in the margin of the affected pages, clearly indicating the area of the page that was changed, and shall indicate the date (i.e., month and year) the change was implemented.

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(continued)



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 146 TO FACILITY OPERATING LICENSE NO. DPR-80  
AND AMENDMENT NO. 145 TO FACILITY OPERATING LICENSE NO. DPR-82  
PACIFIC GAS AND ELECTRIC COMPANY  
DIABLO CANYON NUCLEAR POWER PLANT, UNITS 1 AND 2  
DOCKET NOS. 50-275 AND 50-323

1.0 INTRODUCTION

By letter dated December 6, 2000, Pacific and Gas Electric Company (PG&E) requested changes to the Technical Specifications (TSs) and to Facility Operating License Nos. DPR-80 and DPR-82 for Diablo Canyon Power Plant (DCPP), Unit Nos. 1 and 2, respectively. The proposed changes revise TS Section 5.0, "Administrative Controls," to replace specific management titles with generic titles consistent with Industry/Technical Specification Task Force (TSTF) Standard Technical Specification (STS) Change Traveler TSTF-65, Revision 1, approved by the NRC on December 2, 1997.

These amendments revise TS Section 5.0, to change management titles from (a) "Vice President, Diablo Canyon Operations and Plant Manager" to "plant manager," (b) "Senior Vice President and General Manager - Nuclear Power Generation" to "specified corporate officer," (c) "Radiation Protection Director" to "radiation protection manager," and (d) "Operations Director" to "operations manager."

2.0 BACKGROUND

PG&E converted to the improved Technical Specifications on May 28, 1999, via Amendment Nos. 135, using the NRC technical report NUREG-1431, Revision 1 as a guidance document. Industry and the NRC staff have been working to improve the NRC technical reports (NUREGs) for the STS, and as a result, several generic changes have been developed. Such generic changes are discussed in the Industry/NRC TSTF STS Change Travelers. This license amendment request proposes to revise TS 5.0 to replace specific management titles with lower case generic titles, which is consistent with TSTF Traveler No. 65 (TSTF-65), Revision 1, approved by the NRC on December 2, 1997.

The proposed changes do not eliminate any of the qualifications, responsibilities or requirements for these positions. Each member of the plant staff assigned to these positions shall continue to meet or exceed the minimum qualifications of American National Standards Institute (ANSI)/American Nuclear Society (ANS) 3.1-1978, Regulatory Guide (RG) 1.8, Revision 2, "Qualification and Training of Personnel for Nuclear Power Plants," April 1987 (radiation protection manager), or TS 5.2.2.e (operations manager) as required by TS 5.3.1.

The plant-specific personnel titles for these TS positions are identified in the Final Safety Analysis Report (FSAR) Update. The proposed change for these amendments provides a direct link between the personnel qualifications identified in the TS-required responsibilities by utilizing the same position titles as those used in RG 1.8 and ANSI/ANS 3.1-1978, to which PG&E is committed.

In conjunction with this change, PG&E intends to split the responsibilities of the current Vice President, Diablo Canyon Operations and Plant Manager, into two positions: (1) Vice President, Diablo Canyon Operations, (a non TS position), and (2) Station Director (the plant manager TS position). The Station Director will report to the Vice President, Diablo Canyon Operations. The Station Director will fulfill the responsibilities of the "Plant Manager" as described currently in the TS and FSAR Update and will be responsible for overall safe operation of the plant and will have control over those onsite activities necessary for safe operation and maintenance of the plant. The Vice President, Diablo Canyon Operations, will continue to be responsible for all aspects of DCP, but will devote additional attention to long term strategic issues for DCP.

## 2.0 EVALUATION

The approved generic change in TSTF-65 is to revise Section 5.0 "Administration Controls," to allow the use of the lower case generic personnel titles as provided by ANSI/ANS 3.1 in lieu of plant-specific personnel titles.

The justification for the proposed change in TSTF-65 is that it does not eliminate any of the qualifications, responsibilities or requirements for these positions, since the plant-specific personnel titles are currently identified in licensee-controlled documents such as the FSAR or the Quality Assurance Plan. In addition, the improved STS require that these positions meet the qualifications of RG 1.8 or an ANSI Standard acceptable to the NRC staff.

In its application, PG&E proposed to modify TS 5.0, "Administrative Controls," in TS 5.1.1, TS 5.2.1.a, TS 5.2.1.b, TS 5.2.1.c, TS 5.2.2.d, TS 5.2.2.d, TS 5.3.1 and TS 5.5.1.b as follows:

1. TS 5.1.1 would be revised to replace the titles "Vice President, Diablo Canyon Operations and Plant Manager" and "Plant Manager" with the generic title "plant manager."
2. TS 5.2.1.a., last sentence, would be revised to state: "These requirements, including the plant-specific titles of those personnel fulfilling the responsibilities of the positions delineated in these Technical Specifications, shall be documented in the FSAR Update."
3. TS 5.2.1.b. would be revised to replace the title "Plant Manager," with the generic title "plant manager."
4. TS 5.2.1.c. would be revised to replace the title "Senior Vice President and General Manager - Nuclear Power Generation" with the generic title "specified corporate officer."
5. TS 5.2.2.d. would be revised to replace the title "Plant Manager" with the generic title "plant manager."

6. TS 5.2.2.e. would be revised to replace the title "Operations Director" with the generic title "operations manager."
7. TS 5.3.1 would be revised to replace the titles "Radiation Protection Director" and "Operations Director" with the generic titles "radiation protection manager" and "operations manager," respectively.
8. TS 5.5.1.b (second paragraph "b") would be revised to replace the title "Plant Manager" with the generic title "plant manager."

The staff's review finds that the above discussed proposed modifications of the Section 5.0 "Administrative Controls" are consistent with the NRC-approved TSTF-65, and are therefore, acceptable.

In addition, PG&E proposed that in conjunction with the incorporation of TSTF-65, PG&E intends to split the responsibilities of the current Vice President, Diablo Canyon Operations and Plant Manager, into two positions: (1) Vice President, Diablo Canyon Operations, (a non TS position), and (2) Station Director (the plant manager TS position), as discussed above. The staff also finds this to be acceptable because these changes do not affect the technical requirements of the TSs.

Therefore, in conclusion, the staff finds that this amendment request is acceptable.

### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the California State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

These amendments relate to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

### 5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: A. Chu

Date: March 7, 2001