

May 3, 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 (TS) SECTION 3.5.1, "ACCUMULATORS" (TAC NOS.
MB0638 AND MB0639)

Dear Mr. Rueger:

The Commission has issued the enclosed Amendment No. 147 to Facility Operating License No. DPR-80 and Amendment No. 147 to Facility Operating License No. DPR-82 for the Diablo Canyon Nuclear Power Plant, (DCPP) Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated November 30, 2000.

The amendments revise Technical Specifications (TS) Section 3.5.1, "Accumulators" to (1) reflect the values of the accumulator pressure and volume consistent with the analyses assumptions documented in the current DCPP Final Safety Analysis Report Update, and (2) align the DCPP TS with the standard TS for Westinghouse plants.

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,

/RA/

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.147 to DPR-80
2. Amendment No.147 to DPR-82
3. Safety Evaluation

cc w/encls: See next page

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cc w/encls: See next page
Tech Spec Page: ML 011270127
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DATE	4/23/01	4/23/01	03/28/01	4/30/01	5/1/01

OFFICIAL RECORD COPY

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 11th 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
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

PACIFIC GAS AND ELECTRIC COMPANY

DOCKET NO. 50-275

DIABLO CANYON NUCLEAR POWER PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 147
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 November 30, 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. 147, 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 from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

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: May 3, 2001

PACIFIC GAS AND ELECTRIC COMPANY

DOCKET NO. 50-323

DIABLO CANYON NUCLEAR POWER PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 147
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 November 30, 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. 147, 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 from the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

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: May 7, 2001

ATTACHMENT TO LICENSE AMENDMENT NO. 147

TO FACILITY OPERATING LICENSE NO. DPR-80

AND AMENDMENT NO. 147 TO FACILITY OPERATING LICENSE NO. DPR-82

DOCKET NOS. 50-275 AND 50-323

Replace the following page of the Appendix A Technical Specifications with the attached revised page. The revised page is identified by amendment number and contains marginal lines indicating the areas of change.

REMOVE

3.5-1

INSERT

3.5-1

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 147 TO FACILITY OPERATING LICENSE NO. DPR-80
AND AMENDMENT NO. 147 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 application dated November 30, 2000, Pacific Gas and Electric Company (the licensee) requested changes to the Technical Specifications (TS) (Appendix A to Facility Operating License Nos. DPR-80 and DPR-82) for the Diablo Canyon Nuclear Power Plant (DCPP), Units 1 and 2. The proposed changes modify TS Section 3.5.1, "Accumulators." The proposed TS changes are related to the accumulator pressure and volume. The TS Bases associated with these revised TS are also modified accordingly.

The objectives of these proposed changes are to: (1) use the values of the accumulator pressure and volume consistent with the analyses assumptions documented in the current Final Safety Analysis Report (FSAR) Update to avoid confusion, and (2) align the Diablo Canyon TS with the standard TS for Westinghouse plants.

2.0 EVALUATION

The four emergency core cooling system (ECCS) accumulators are pressure vessels containing borated water that is pressurized with nitrogen gas. They are designed to passively inject their contents into the reactor coolant system (RCS) cold legs following a loss of coolant accident (LOCA) when the RCS depressurizes below the nitrogen cover gas pressure. The accumulators are passive components of the ECCS which require no operator or control actions to perform their safety function. The accumulators are credited in both the large and small break LOCA analyses at full power. However, the large break LOCA analysis is bounding and used to define the required accumulator limits. The pressure and volume limits of the accumulators are established in TS Section 3.5.1 to provide assurance that safety analysis assumptions and limitations are not challenged.

The current TS Section 3.5.1 specifies the limits of accumulator volume in terms of the percentage in accumulator levels. Also, the values specified are nominal values which have been adjusted with instrument uncertainties. To reduce the need of future license amendment requests (LARs) when there are changes made in the accumulator level tap locations and/or instrument uncertainties, the licensee proposed modification to specify the limits for

accumulator volume in cubic feet consistent with the values assumed in the safety analysis and documented in the current FSAR Update Table 15.4-7A, as accumulator volume in each accumulator is greater or equal to 814 cubic feet and less than or equal to 886 cubic feet. Also, the licensee proposed changes to the TS Bases that will add a statement for performing the implementation of these values accounting for instrument uncertainty. With these proposed TS requirements, the limits of accumulator volume assumed in the safety analysis will be assured by surveillance requirements (SR) in TS 3.5.1.2. We have reviewed the safety analysis assumptions from the FSAR and the licensee proposed changes regarding the limits for accumulator volume. We find that the licensee proposed changes regarding accumulator volume are acceptable.

The current TS Section 3.5.1 specifies the limits of accumulator pressure in nominal values which have been adjusted with instrumentation uncertainties. To reduce the need of future LARs when there are changes made in instrument uncertainties and to make it consistent with the approach used for the accumulator volume as discussed above, the licensee proposed a modification to use the values assumed in the safety analysis and documented in the current FSAR Update Table 15.4-7A, as accumulator pressure is greater than or equal to 579 psig and less than or equal to 664 psig. When the instrument uncertainties are applied during the surveillance of the accumulator pressure, the limits of accumulator pressure assumed in the safety analysis will be assured by surveillance requirements of TS 3.5.1.3. We have reviewed the safety analysis assumptions in the FSAR Update and the licensee's proposed changes regarding the limits for accumulator pressure. We find that the licensee proposed changes regarding accumulator pressure are 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 change surveillance requirements. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration and there has been no public comment on such finding (65 FR 81928). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). 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: C.Y. Liang

Date: May 3, 2001