

APR 13 1984

Docket No.: 50-275

Mr. J. O. Schuyler, Vice President  
Nuclear Power Generation  
c/o Nuclear Power Generation, Licensing  
Pacific Gas & Electric Company  
77 Beale Street, Room 1435  
San Francisco, California 94106

Dear Mr. Schuyler:

Subject: Issuance of Amendment No. 8 to Facility Operating License  
No. DPR-76 (Diablo Canyon Nuclear Power Plant, Unit 1)

By letter dated July 1, 1983 the Pacific Gas and Electric Company requested a change to the Appendix A of the Technical Specifications for the Diablo Canyon, Unit 1 Nuclear Power Plant. The change would require certain actions to be taken if the ocean water temperature exceeds 64°F to ensure adequate ultimate heat sink capacity. We have completed our review and evaluation of the proposed change and conclude that it is acceptable.

As you know, a notice was published in the Federal Register regarding the above requested change. No comments or petitions have been received with respect to the notice in connection with the action covered in this agreement. In addition, this matter was a subject of the Appeal Board's recent decision, ASLAB-763, March 20, 1984 which requires incorporation of this Technical Specification change prior to authorization of plant operation.

Accordingly, the Commission has issued the enclosed Amendment No. 8 to Facility Operating License No. DPR-76 for Diablo Canyon Nuclear Power Plant, Unit 1. A copy of the Safety Evaluation Supporting this amendment is also enclosed.

Sincerely,

Original signed by:  
George W. Knighton

George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing

Enclosures:

1. Amendment No. 8 to Facility Operating License DPR-76
2. Safety Evaluation

cc: See next page

DL:LB#3  
JLe/yt  
3/30/84

DL:LB#3  
BBuckley  
3/29/84

DL:LB#3  
GKNighton  
3/30/84

OELD  
Chandler  
4/12/84

DL:AD/L  
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*W no legal objection prepared for F.R. notice*

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Diablo Canyon

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PACIFIC GAS AND ELECTRIC COMPANY  
DIABLO CANYON NUCLEAR POWER PLANT, UNIT 1  
DOCKET NO. 50-275  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 8  
License No. DPR-76

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Pacific Gas and Electric Company (the licensee) dated July 1, 1983, 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, 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;
  - 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 a change to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C(2) of Facility Operating License No. DPR-76 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. 8 are hereby incorporated in this license. The Pacific Gas & Electric Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

*Original signed by:  
George W. Knighton*

George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing

Date of Issuance: APR 13 1984

*[Signature]*  
DL:LB#3  
JLee/yt  
3/30/84

*BCB*  
DL:LB#3  
BBuckley  
3/30/84

*[Signature]*  
OELD  
LChandler  
4/12/84

*[Signature]*  
DL:LB#3  
GWNighton  
3/30/84

APR 13 1984

- 3 -

ATTACHMENT TO LICENSE AMENDMENT NO. 8

FACILITY OPERATING LICENSE NO. DPR-76

DOCKET NO. 50-275

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by Amendment Number and contain vertical lines indicated the area of change. Also to be replaced are the following overleaf pages to the amended pages.

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Overleaf Pages

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## PLANT SYSTEMS

### 3/4.7.12 ULTIMATE HEAT SINK

#### LIMITING CONDITION FOR OPERATION

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3.7.12 The ultimate heat sink (UHS) shall be OPERABLE with an inlet water temperature of less than or equal to 64°F.

APPLICABILITY: MODES 1, 2, and 3.

#### ACTION:

With the requirements of the above specification not satisfied, place a second vital component cooling water heat exchanger in service within 8 hours or be in at least HOT STANDBY within the next 6 hours and in at least HOT SHUTDOWN within the following 6 hours. The provisions of Specification 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.7.12 The UHS shall be determined OPERABLE by verifying the inlet water temperature to be within its limit:

- a. At least once per 24 hours when the inlet water temperature is equal to or less than 60°F, or
- b. At least once per 12 hours when the inlet water temperature is greater than 60°F but less than 62°F, or
- c. At least once per 2 hours when the inlet water temperature is equal to or greater than 62°F but less than or equal to 64°F.

## PLANT SYSTEMS

### BASES

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#### 3/4.7.11 AREA TEMPERATURE MONITORING

The area temperature limitations ensure that safety-related equipment will not be subjected to temperatures in excess of their environmental qualification temperatures. Exposure to excessive temperatures may degrade equipment and can cause loss of its OPERABILITY. The temperature limits include allowance for an instrument error of 1° F.

#### 3/4.7.12 ULTIMATE HEAT SINK

The OPERABILITY of the Component Cooling Water (CCW) System and the components that it cools is ensured if the CCW temperature remains equal to or less than 132°F during any condition assumed in the safety analysis. One CCW heat exchanger is required in service when the ocean temperature is 64°F or less. Two CCW heat exchangers are required in service when the ocean temperature is greater than 64°F. If the reactor coolant temperature is less than 350°F (MODE 4), one CCW heat exchanger in service is adequate even if the ocean temperature is greater than 64°F.

SAFETY EVALUATION

AMENDMENT NO. 8 TO DPR-76

DIABLO CANYON NUCLEAR POWER PLANT, UNIT 1

DOCKET NO. 50-275

Introduction

By letter dated July 1, 1983 the Pacific Gas & Electric (PG&E) Company requested an amendment to the Diablo Canyon, Unit 1 Technical Specifications that would require certain actions to be taken if the ocean water temperature exceeds 64°F to ensure adequate ultimate heat sink capacity.

Evaluation

In response to concerns raised about the heat removal capability of the Component Cooling Water System (CCWS), PG&E in letters dated March 18, April 4, and May 18, 1983, provided the results of a re-analysis of the heat removal capability of the CCWS assuming the worst design-basis heat load (i.e. LOCA), and the most limiting single failure. PG&E further committed to placing a Technical Specification on a 64°F ocean water intake temperature with appropriate surveillance, limiting conditions for operation, action statements, and bases. In the event the ocean water temperature should exceed 64°F, the proposed change would require placing a second component cooling water heat exchanger in service within eight hours or be in at least HOT STANDBY within the next six hours and in at least HOT SHUTDOWN within the next six hours.

The staff evaluation of the above concerns, including the proposed technical specification, was provided in Supplement No. 16 (dated August 1983) to the Safety Evaluation Report for Diablo Canyon (NUREG-0675, Supplement 16) which concluded that the proposed Technical Specification of 64°F and the associated actions were acceptable and would provide adequate assurance of the component cooling water heat removal capability.

Contact With State Official

By copy of a letter dated October 11, 1983 to the licensee, the NRC staff advised the Chief of the Radiological Health Branch, State Department of Health Services, State of California, of its proposed determination of no significant hazards consideration. No comments were received.

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 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.

Conclusion

Based upon our evaluation of the proposed change to the Diablo Canyon Nuclear Power Plant, Unit 1 Technical Specifications, we have concluded that: there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and 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 change is acceptable.

Dated: APR 13 1984

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April 13, 1984

ISSUANCE OF AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NO. DPR-76  
DIABLO CANYON NUCLEAR POWER PLANT, UNIT 1

DISTRIBUTION

Docket File 50-275/323

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