

October 25, 1996

Mr. Gregory M. Rueger
Pacific Gas and Electric Company
NPG - Mail Code A10D
P. O. Box 770000
San Francisco, California 94177

SUBJECT: ISSUANCE OF AMENDMENTS FOR DIABLO CANYON NUCLEAR POWER PLANT,
UNIT NO. 1 (TAC NO. M95908) AND UNIT NO. 2 (TAC NO. M95909)

Dear Mr. Rueger:

The Commission has issued the enclosed Amendment No. 116 to Facility Operating License No. DPR-80 and Amendment No. 114 to Facility Operating License No. DPR-82 for the Diablo Canyon Nuclear Power Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated June 7, 1996.

These amendments revise the combined Technical Specifications (TS) for the Diablo Canyon Nuclear Power Plant, Unit Nos. 1 and 2 to revise Technical Specifications 3/4.9.14.1, "Spent Fuel Assembly Storage - Spent Fuel Pool Region 2," and TS 3/4.9.14.3, "Spent Fuel Assembly Storage - Spent Fuel Pool Region 1," to allow storage of fuel assemblies in a checkerboard pattern in Region 2 of the spent fuel pool (SFP).

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,

Original Signed By

Steven D. Bloom, Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-275
and 50-323

Enclosures: 1. Amendment No. 116 to DPR-80
2. Amendment No. 114 to DPR-82
3. Safety Evaluation

cc w/encls: See next page

DISTRIBUTION

Docket File
PUBLIC
PDIV-2 Reading
JRoe
EGA1
WBateman
KPerkins, WCFO
SBloom
JKilcrease, RIV
LHurley, RIV
CGrimes, 011E22
JBianchi, WCFO (2)
GHill (4), T5C3
OGC, 015B18
ACRS, T2E26
DChamberlain, RIV
TLH3 (SE)
EPeyton
JDyer, RIV
RJones

9610300191 961025
PDR ADOCK 05000275
P PDR

NRC FILE CENTER COPY

DFD 1/1

DOCUMENT NAME: DC95908.AMD

OFC	PDIV-2/LA	PDIV-2/PM	NRR:SRXB	OGC
NAME	SBloom:ye	EPeyton	RJones	APH
DATE	9/26/96	9/25/96	9/27/96	10/02/96

OFFICIAL RECORD COPY

300023

October 25, 1996

Mr. Gregory M. Rueger
Pacific Gas and Electric Company
NPG - Mail Code A10D
P. O. Box 770000
San Francisco, California 94177

SUBJECT: ISSUANCE OF AMENDMENTS FOR DIABLO CANYON NUCLEAR POWER PLANT,
UNIT NO. 1 (TAC NO. M95908) AND UNIT NO. 2 (TAC NO. M95909)

Dear Mr. Rueger:

The Commission has issued the enclosed Amendment No. 116 to Facility Operating License No. DPR-80 and Amendment No. 114 to Facility Operating License No. DPR-82 for the Diablo Canyon Nuclear Power Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated June 7, 1996.

These amendments revise the combined Technical Specifications (TS) for the Diablo Canyon Nuclear Power Plant, Unit Nos. 1 and 2 to revise Technical Specifications 3/4.9.14.1, "Spent Fuel Assembly Storage - Spent Fuel Pool Region 2," and TS 3/4.9.14.3, "Spent Fuel Assembly Storage - Spent Fuel Pool Region 1," to allow storage of fuel assemblies in a checkerboard pattern in Region 2 of the spent fuel pool (SFP).

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,

Original Signed By

Steven D. Bloom, Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-275
and 50-323

Enclosures: 1. Amendment No. 116 to DPR-80
2. Amendment No. 114 to DPR-82
3. Safety Evaluation

cc w/encls: See next page

DISTRIBUTION

Docket File
PUBLIC
PDIV-2 Reading
JRoe
EGA1
WBateman
KPerkins, WCFO
SBloom
JKilcrease, RIV
LHurley, RIV
CGrimes, 011E22
JBianchi, WCFO (2)
GHill (4), T5C3
OGC, 015B18
ACRS, T2E26
DChamberlain, RIV
TLH3 (SE)
EPeyton
JDyer, RIV
RJones

DOCUMENT NAME: DC95908.AMD

OFC	PDIV-2/LA	PDIV-2/PM	NRR:SRXB	OGC
NAME	SBloom:ye	EPeyton	RJones	APH
DATE	9/26/96	9/25/96	9/27/96	10/02/96

OFFICIAL RECORD COPY



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

October 25, 1996

Mr. Gregory M. Rueger
Pacific Gas and Electric Company
NPG - Mail Code A10D
P. O. Box 770000
San Francisco, California 94177

SUBJECT: ISSUANCE OF AMENDMENTS FOR DIABLO CANYON NUCLEAR POWER PLANT,
UNIT NO. 1 (TAC NO. M95908) AND UNIT NO. 2 (TAC NO. M95909)

Dear Mr. Rueger:

The Commission has issued the enclosed Amendment No. 116 to Facility Operating License No. DPR-80 and Amendment No. 114 to Facility Operating License No. DPR-82 for the Diablo Canyon Nuclear Power Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated June 7, 1996.

These amendments revise the combined Technical Specifications (TS) for the Diablo Canyon Nuclear Power Plant, Unit Nos. 1 and 2 to revise Technical Specifications 3/4.9.14.1, "Spent Fuel Assembly Storage - Spent Fuel Pool Region 2," and TS 3/4.9.14.3, "Spent Fuel Assembly Storage - Spent Fuel Pool Region 1," to allow storage of fuel assemblies in a checkerboard pattern in Region 2 of the spent fuel pool (SFP).

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, appearing to read "S. D. Bloom".

Steven D. Bloom, Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-275
and 50-323

Enclosures: 1. Amendment No. 116 to DPR-80
2. Amendment No. 114 to DPR-82
3. Safety Evaluation

cc w/encls: See next page

cc w/encls:

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

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

Dr. Richard Ferguson, Energy Chair
Sierra Club California
1100 11th Street, Suite 311
Sacramento, California 95814

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

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

Mr. Robert P. Powers
Vice President and Plant Manager
Diablo Canyon Nuclear Power Plant
P. O. Box 56
Avila Beach, California 93424

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

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

Mr. Steve Hsu
Radiologic Health Branch
State Department of Health Services
Post Office Box 942732
Sacramento, California 94232

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



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. 116
License No. DPR-80

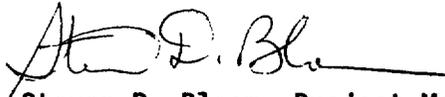
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Pacific Gas and Electric Company (the licensee) dated June 7, 1996, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations 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. 116, 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 to be implemented within 30 days of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Steven D. Bloom, Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: October 25, 1996



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. 114
License No. DPR-82

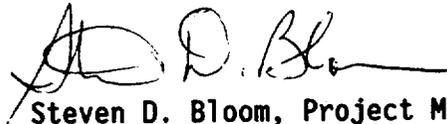
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Pacific Gas and Electric Company (the licensee) dated June 7, 1996, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations 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. 114, 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 to be implemented within 30 days of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Steven D. Bloom, Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: October 25, 1996

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 116 TO FACILITY OPERATING LICENSE NO. DPR-80

AND AMENDMENT NO. 114 TO FACILITY OPERATING LICENSE NO. DPR-82

DOCKET NOS. 50-275 AND 50-323

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by Amendment number and contain marginal lines indicating the areas of change. The corresponding overleaf pages are also provided to maintain document completeness.

REMOVE

3/4 9-17
3/4 9-20

INSERT

3/4 9-17
3/4 9-20

REFUELING OPERATIONS

3/4.9.14 SPENT FUEL ASSEMBLY STORAGE

SPENT FUEL POOL REGION 2

LIMITING CONDITION FOR OPERATION

3.9.14.1 The following conditions shall be met for storage of fuel assemblies in Region 2 of the spent fuel pool:

- a. The combination of initial enrichment, fuel pellet diameter, and cumulative burnup of the assemblies is within the acceptable area of Figure 3.9-2; or
- b. The assemblies are put into a checkerboard pattern with water cells or non-fissile material.

APPLICABILITY: Whenever fuel assemblies are in the spent fuel pool.

ACTION:

- a. With the requirements of the above specification not satisfied, suspend all movement of fuel assemblies and crane operations (with loads in the fuel storage area) except to perform the following: move the non-complying fuel assemblies into compliance with the above Specification or Specification 3.9.14.3. Until the requirements of the above specification and Specification 3.9.14.3 are satisfied, boron concentration of the spent fuel pool shall be verified to be greater than or equal to 2000 ppm at least once per 8 hours.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.9.14.1 The cumulative burnup of each spent fuel assembly stored in Region 2 shall be determined by analysis of its burnup history, prior to storage in Region 2. A complete record of initial enrichment, fuel pellet diameter, and the cumulative burnup analysis shall be maintained for the time period that each fuel assembly remains in Region 2 of the spent fuel pool.

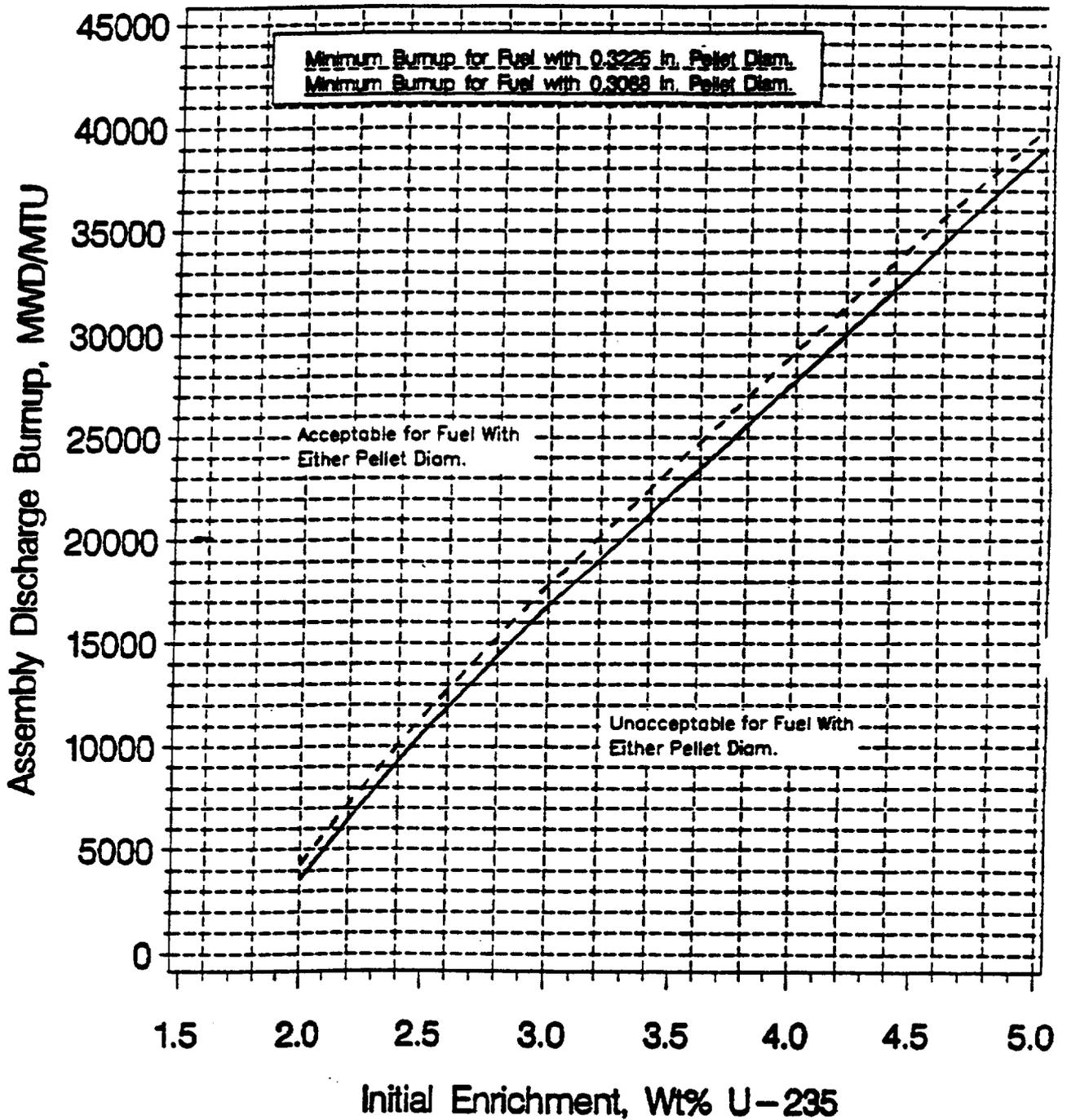


FIGURE 3.9-2
 MINIMUM REQUIRED ASSEMBLY DISCHARGE BURNUP
 AS A FUNCTION OF INITIAL ENRICHMENT AND PELLETT DIAMETER TO PERMIT
 STORAGE IN REGION 2

REFUELING OPERATIONS

SPENT FUEL ASSEMBLY STORAGE

SPENT FUEL POOL BORON CONCENTRATION

LIMITING CONDITION FOR OPERATION

3.9.14.2 The boron concentration of the spent fuel pool shall be greater than or equal to 2000 ppm.

APPLICABILITY: Whenever fuel assemblies are in the spent fuel pool.

ACTION:

- a. With the requirements of the above specification not satisfied, immediately suspend all movement of fuel assemblies in the spent fuel pool and initiate corrective actions to restore the boron concentration.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.9.14.2 The boron concentration of the spent fuel pool shall be determined by chemical analysis at least once per 31 days.

REFUELING OPERATIONS

SPENT FUEL ASSEMBLY STORAGE

SPENT FUEL POOL REGION 1

LIMITING CONDITION FOR OPERATION

3.9.14.3 The following conditions shall be met for storage of fuel assemblies in Region 1 of the spent fuel pool:

- a. The initial enrichment is 4.5 weight percent U-235 or less; or
- b. The initial enrichment is from 4.5 up to a maximum of 5.0 weight percent U-235, and any of the following conditions are met:
 - 1) The combination of initial enrichment and cumulative burnup of the assemblies is within the acceptable area of Figure 3.9-3; or
 - 2) The assemblies initially contained a minimum of a nominal 36 mg/in. per assembly of the isotope B-10 integrated in the fuel rods; or
 - 3) The assemblies are put in a checkerboard pattern with any of the following:
 - a) water cells, or
 - b) assemblies that initially contained a minimum of a nominal 72 mg/in. per assembly of the isotope B-10 integrated in the fuel rods, or
 - c) partially irradiated fuel of at least 8000 MWD/MTU cumulative burnup; or
 - 4) The assemblies are put into a pattern with alternate rows of fuel assemblies and water cells.

APPLICABILITY: Whenever fuel assemblies are in Region 1 of the spent fuel pool.

ACTION:

- a. With the requirements of the above specification not satisfied, suspend all movement of fuel assemblies and crane operations (with loads in the fuel storage area) except to perform the following: move the non-complying fuel assemblies into a pattern that complies with requirements of the above specification or Specification 3.9.14.1. Until the requirements of the above specification and Specification 3.9.14.1 are satisfied, boron concentration of the spent fuel pool shall be verified to be greater than or equal to 2000 ppm at least once per 8 hours.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.