

JAN 29 1985

MEMORANDUM FOR: Thomas M. Novak, Assistant Director for Licensing, Division of Licensing

FROM: L. S. Rubenstein, Assistant Director for Core and Plant Systems, Division of Systems Integration

SUBJECT: DIABLO CANYON UNIT 2 SUPPLEMENTAL SAFETY EVALUATION REPORT INPUT

As requested by memorandum from Darrell Eisenhut to Robert M. Bernero dated January 11, 1985, enclosed is our supplemental safety evaluation report (SSER) input for Diablo Canyon Unit 2 regarding the verification in nonseismic design areas. This SSER input is based on licensee letters dated November 11, 1984 and December 7, 1984. We conclude that the licensees Unit 2 program for assuring compliance with licensing criteria in nonseismic design areas is acceptable. We have also included input concerning the applicability of the ultimate heat sink technical specification Unit 2 resulting from the rereview of the component cooling water system.

Original signed by
 L. S. Rubenstein
 Assistant Director
 for Core and Plant Systems
 Division of Systems Integration

Enclosure:
 As Stated

cc w/enclosure:
 R. Bernero
 F. Miraglia
 J. P. Knight
 O. Parr
 C. Grimes
 G. Knighton
 J. Wermiel
 H. Schierling

Contact:
 J. Wermiel
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 Docket File
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 LRubenstein

OFC	: DIS:ASB	: DSI:ASB	: DSI:AD			
NAME	: JWermiel:as	: OParr	: LRubenstein			
DATE	: 1/29/85	: 1/29/85	: 1/29/85			

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SUPPLEMENTAL SAFETY EVALUATION REPORT INPUT
DIABLO CANYON UNIT 2
AUXILIARY SYSTEMS BRANCH

4.0 Systems

4.1 Nonseismic Design

The staff has reviewed the licensee's Internal Review Program (IRP) in those areas regarding nonseismic design verification for Diablo Canyon Unit 2 as described by the licensee in letters dated November 11, 1984 and December 7, 1984. These submittals include those findings identified from the Unit 1 IDVP/ITP in tabular form and a description of the application and resolution of those items for the Unit 2 design. The licensee's program implements Unit 2 design modifications necessary in a similar manner to those resulting from the Unit 1 IDVP/ITP and as documented in staff SSERs Nos. 18, 19 and 20. The staff has compared its findings from those SSERs and confirms that the concerns have been satisfactorily resolved for Unit 2. Based on that review, the staff concludes that the IRP adequately provides for those Unit 2 changes required to assure compliance with licensing criteria in nonseismic design areas, and properly incorporates the findings of the Unit 1 design verification program.

4.2 Component Cooling Water System

As a result of the rereview of the component cooling water system (CCWS) documented in SSER No. 16, the staff imposed a technical specification on the operation of the CCWS based on the temperature of the ultimate heat sink (Pacific Ocean). The technical specification was incorporated for Diablo Canyon Unit 1, and is also applicable for operation of Unit 2.

SALP INPUT

Plant: Diablo Canyon Unit 2

1. Management Involvement and Control in Assuring Quality: Not Applicable
2. Approach to Resolution of Technical Issues from a Safety Standpoint:
Category 1
3. Responsiveness to NRC Initiatives: Not Applicable
4. Enforcement History: Not Applicable
5. Reporting and Analysis of Reportable Events: Not Applicable
6. Staff (Including Management): Not Applicable
7. Training and Qualification Effectiveness: Not Applicable

The licensee's information regarding the Unit 2 design verification program adequately addressed staff concerns.

#10

FEB 12 1985

Docket No. 50-323

MEMORANDUM FOR: Frank J. Miraglia, Acting Director
 Division of Licensing
 Office of Nuclear Reactor Regulation

FROM: James G. Partlow; Acting Director
 Division of Quality Assurance, Safeguards,
 and Inspection Programs
 Office of Inspection and Enforcement

SUBJECT: DIABLO CANYON UNIT 2 REVIEW

Your memorandum dated January 11, 1985, on the above subject requested IE's SSER input on the QA program applicable to the design of Unit 2 (identifying any difference from Unit 1). This memorandum is in response to that request, and our SSER input is enclosed. It reflects an acceptable QA program description since before the construction permit for Unit 2 was issued in late 1970.

Any questions on the above or on the enclosure should be addressed to the QA Branch reviewer, Jack Spraul, on x-24530.

ORIGINAL SIGNED BY:
 JAMES G. PARTLOW

James G. Partlow, Acting Director
 Division of Quality Assurance, Safeguards,
 and Inspection Programs
 Office of Inspection and Enforcement

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Enclosure:
 SSER Input

cc: L. J. Chandler, NRR
 C. I. Grimes, NRR
 H. E. Schierling, NRR
 G. W. Knighton, NRR

Distribution:

J. M. Taylor, IE
 R. H. Vollmer, IE
 J. G. Partlow, IE
 B. K. Grimes, IE
 G. T. Ankrum, IE
 J. L. Milhoan, IE
 J. G. Spraul, IE

QASIP Reading
 QUAB Reading

DCS

IE: QASIP: QUAB
 JGSpraul:rlc
 02/5/85

IE: QASIP: QUAB
 JLMilhoan
 02/4/85

IE: QASIP: QUAB: C
 GTAnkrum
 02/6/85

IE: QASIP
 BKGrimes
 02/7/85

IE: QASIP: AD
 GJPartlow
 02/7/85

10.

QA BRANCH SSER INPUT

DIABLO CANYON UNIT 2 DESIGN VERIFICATION

6. QA/QC

The QA Manual for Diablo Canyon Unit 2 was issued in January 1970; 10CFR50, Appendix B, "Quality Assurance Criteria for Nuclear Power Plants" was issued in June 1970; and the provisional construction permit was approved for Unit 2 in December 1970. The manual was to be used for Unit 1 only "to the extent possible..." but was to be fully applied to safety-related activities and items for Unit 2.

Thus while the QA Manual was identified for Units 1 and 2, the commitment to apply the program at Unit 2 was stronger than the commitment to apply it to Unit 1. As noted in the report to the ACRS concerning design and construction of Diablo Canyon Unit 2 (September 23, 1969), the "organizational arrangement satisfies our (i.e., Division of Reactor Licensing, AEC) requirements... Many aspects of the applicant's QAP will require further definition; however, his commitments and the extent of his planned approach in each of the critical areas are satisfactory for the construction permit stage...."

With the institution of the Diablo Canyon Project (DCP) in the 1981 time frame, the staff reviewed the QA program description to be applied to the DCP verification effort by PG&E. The program was based on the QA programs of Bechtel and PG&E. The staff found that the QA program described requirements, procedures, and controls that, when properly implemented, comply with the requirements of Appendix B to 10CFR Part 50. Thus, from 1969 until today, PG&E has been committed to a QA program which meets NRC requirements.

In SSER 18 concerning the operation of Diablo Canyon, the staff concluded that "shortcomings found in and as a result of earlier QA programs (implementation) for certain design activities are being compensated by verification of the design under the IDVP, that construction was done under acceptable QA controls, and that current corrective actions and the IDVP work itself are being performed in accordance with acceptable QA programs." These conclusions are applicable to both Units 1 and 2.

FEB 12 1985

Docket No. 50-323

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 Division of Licensing
 Office of Nuclear Reactor Regulation

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Any questions on the above or on the enclosure should be addressed to the QA Branch reviewer, Jack Spraul, on x-24530.

ORIGINAL SIGNED BY:
 JAMES G. PARTLOW

James G. Partlow, Acting Director
 Division of Quality Assurance, Safeguards,
 and Inspection Programs
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 QASIP Reading
 QUAB Reading
 DCS

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 JGSpraul:rlc
 02/5/85

IE: QASIP: QUAB
 JLMilhoan
 02/6/85

IE: QASIP: QUAB: C
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 02/7/85

IE: QASIP: AD
 GJPartlow
 02/7/85