

Docket Nos. 50-275  
and 50-323

FEB 25 1976

Distribution  
 ✓ Docket File BScott  
 NRC PDR WRoss  
 Local PDR LWR Branch Chiefs  
 LWR #3 ACRS (16)  
 OELD BScharf  
 IE (3) ASteen  
 NDube  
 MJinks bcc: JRBuchanan, ONRL  
 RCDeYoung TBAbernathy, DTIE  
 EIGoulbourne ASLAB  
 CHEbron ASLBP  
 DAllison

Pacific Gas and Electric Company  
 ATTN: Mr. John C. Morrissey  
 Vice President and General Counsel  
 77 Beale Street  
 San Francisco, California 94106

Gentlemen:

In response to your requests of May 19, 1975 and August 8, 1975, the Nuclear Regulatory Commission has issued an Order extending the construction completion dates for the Diablo Canyon Nuclear Power Plant, Units 1 and 2. In lieu of the latest completion dates of July 1, 1975, and July 31, 1976, as specified previously in Construction Permits Nos. CPPR-39 and CPPR-69, for Units 1 and 2 respectively, the latest completion dates have been extended to July 1, 1976 for Unit 1 and July 31, 1977 for Unit 2.

A copy of the Order and the staff evaluation are enclosed for your information. The Order has been transmitted to the Office of the Federal Register for publication.

Sincerely,

Original Signed by

Olan D. Parr, Chief  
 Light Water Reactors  
 Branch No. 3  
 Division of Project Management

Enclosures:

1. Order Extending Completion Dates
2. Staff Evaluation

cc: See page 2

\*SEE PREVIOUS YELLOW FOR CONCURRENCES

OFFICE →	DPM:LWR #3	DPM:LWR #3	OELD	DPM:LWR #3	
SURNAME →	EIGoulbourne	DAllison		ODParr	
DATE →	2/ 176	2/ 176	2/ 176	2/ 176	

Pacific Gas & Electric Company - 2 -

cc: Philip A. Crane, Jr., Esq.  
Pacific Gas & Electric Company  
77 Beale Street  
San Francisco, California 94106

Andrew J. Skaff, Esq.  
California Public Utilities  
Commission  
350 McAllister Street  
San Francisco, California 94102

Mr. Gordon A. Silver  
5055 Radford Avenue  
North Hollywood, California 91607

Ms. Elizabeth E. Apfelberg  
1415 Cazadero  
San Luis Obispo, California 93401

Ms. Sandra A. Silver  
5055 Radford Avenue  
North Hollywood, California 91607

Mr. John Forster  
985 Palm Street  
San Luis Obispo, California 93401

Mr. Irving Goldberg, Chief  
Environmental Radiation Control Unit  
Radiologic Health Section  
California Department of Health  
714 P Street, Room 498  
Sacramento, California 95814

Chairman  
San Luis Obispo County  
Board of Supervisors  
Room 2201  
County Courthouse Annex  
San Luis Obispo, California 93401

Mr. Tom Jones  
Environmental Protection Agency  
100 California Street  
San Francisco, California 94111

OFFICE ▼					
SURNAME ▼					
DATE ▼					

cc: Mr. Frederick Bissler, President  
Scenic Shoreline Preservation  
Conference, Inc.  
4623 More Mesa Drive  
Santa Barbara, California 93105

Mr. W. J. Lindblad, Project Engineer  
Pacific Gas & Electric Company  
77 Beale Street  
San Francisco, California 94106

Mr. William P. Cornwell  
P. O. Box 453  
Morro Bay, California 93442

OFFICE ➤						
SURNAME ➤						
DATE ➤						

Docket Nos. 50-275  
and 50-323

EVALUATION OF REQUEST FOR EXTENSION  
OF THE CONSTRUCTION PERMITS FOR  
THE DIABLO CANYON NUCLEAR PLANT,  
UNITS 1 AND 2

Introduction

On May 19, 1975, Pacific Gas and Electric Company (PG&E) filed a request for an extension of the completion dates for the construction of the Diablo Canyon Nuclear Plant, Units 1 and 2. In the request for extension, PG&E stated that construction of both Units 1 and 2 was estimated to be delayed by approximately one year. On July 16, 1975 the Nuclear Regulatory Commission (NRC) staff requested additional information regarding the reasons for the delays. On August 8, 1975 PG&E filed a revised request containing more detailed information in support of the extension.

Discussion

The applicant stated that completion of construction on Unit 1 is estimated to be delayed one year beyond the expiration date of July 1, 1975 contained in Construction Permit No. CPPR-39. The permit was issued on April 23, 1968 and was modified by the Commission's order dated June 28, 1974. For Unit 2, completion of construction was also estimated to be delayed one year beyond the expiration date of July 31, 1976 contained in Construction Permit No. CPPR-69. The permit for Unit 2 was issued on December 9, 1970 and was modified by the Commission's order dated June 28, 1974.

PG&E stated that the need for six months of additional time to complete construction for the Units arose from construction craft strikes which lasted four and one-half months during 1974. When the strikes ended, only approximately forty percent of the original labor force returned to work; it took roughly five weeks to bring the work force back to the pre-strike level. This five-week period was used for recruiting replacement craft labor, retraining, and requalification of welders.

PG&E stated that an additional six months' delay is the result of delays in several items of the work which, taken as a whole, caused an overall delay of six months. PG&E cited the specific items of delayed work which are listed below along with the delay attributable to each specific item

OFFICE >						
SURNAME >						
DATE >						

if it had been the only item of delay. PG&E stated that the delays specified below are not cumulative but that the total delay from the items listed below amounted to at least six months.

1. Replacement of the copper-nickel tubes in the main condensers with titanium tubes and modifications to the circulating water system added an additional two to three months of construction work to the project work scope.
2. The addition of a considerable number of pipe rupture restraints outside the containment structure necessitated the relocation and retesting of numerous operating electrical circuits. Rerouting conduits, wiring and instrumentation, and installation of massive steel pipe restraints delayed the job four to six months.
3. Long lead times for additional nuclear service materials, such as electrical cable that was required because of the relocation of electrical circuits specified in paragraph 2, caused two to four months' delay.
4. In the adjustment of equipment to the exacting quality requirements of nuclear service during preoperational and startup testing several improvements and modifications to certain equipment were required, and these adjustments caused a two to four month delay.
5. Modifications to the steam generators and piping to reduce sludge buildup, prevent possible water hammer problems and improve performance delayed the work two to four months.

Conclusion

The NRC staff has reviewed the information provided in the applicant's submittal, and we conclude that the factors discussed above are reasonable and constitute good cause for delay; and that extension of construction of Units 1 and 2 for one year is justifiable.

As a result of the NRC staff's review of the Final Safety Analysis Report to date, and considering the nature of the delays, we have identified no area of significant safety considerations in connection with the extension of the construction permit completion dates for the Diablo Canyon Units.

The staff finds that this action does not involve a significant hazards consideration, and that good cause exists for the issuance of an Order extending the completion dates.

OFFICE						
SURNAME						
DATE						

Accordingly, issuance of an Order extending the latest completion date for construction of Diablo Canyon Unit 1, as presently set forth in CPPR-39, to July 1, 1976, and the latest date for Unit 2, as presently set forth in CPPR-69, to July 31, 1977, is reasonable and should be authorized.

Original Signed by

*Dennis P. Allison*  
Dennis P. Allison  
Light Water Reactors  
Branch No. 3  
Division of Project Management

Original Signed by

Olan D. Parr, Chief  
Light Water Reactors  
Branch No. 3  
Division of Project Management

Dated: FEB 25 1976

OFFICE >	DPM:LWR #3	DPM:LWR #3				
SURNAME >	<i>DPA</i> DAllison:mjf	<i>ODP</i> ODParr				
DATE >	2/25/76	2/25/76				

Accordingly, issuance of an Order extending the latest completion date for construction of Diablo Canyon Unit 1, as presently set forth in CPPR-39, to July 1, 1976, and the latest date for Unit 2, as presently set forth in CPPR-69, to July 31, 1977, is reasonable and should be authorized.

Dennis P. Allison  
Light Water Reactors  
Project Branch 1-3  
Division of Reactor Licensing

Olan D. Parr, Chief  
Light Water Reactors  
Project Branch 1-3  
Division of Reactor Licensing

OFFICE	RL:LWR 1-3	RL:LWR 1-3			
SURNAME	DAllison:mjf	ODParr	<i>[Signature]</i>		
DATE	<del>12/17/75</del>	12/ /75	2/18/76		