Construction permits were issued for Diablo Canyon 1 & 2 in April 1968 and December 1970, respectively. Unit 1 is nearly completed; Unit 2 is a year or so behind. The SSR for the site was set by Dr. Newmark, the USCS, and the U. S. Coast & Geodetic Survey. The value selected was 0.42 and the plant has been constructed to that value. The OL applications for both units were docketed in October 1973. Our review wis essentially completed by January 1975; at that time we recognized that on the basis of new evidence the SSE would be increased. The staff believed that the USCS would concur with a site "g" value of 0.5g and we had done sufficient work to convince us that the plant could safely withstand such an certhquake. On January 28, 1975, we were surprised by a USCS report that concluded that an acceleration of 0.5g was in its opinion inadequate for the site on the basis of present information.

At that time DRI recommended that two approaches be taken to resolve the issue. First, continue to acquire additional information to convince the USGS of the adequacy of a 0.5g SSE. Secondly, assume the USGS, at the reviewer level, would remain adament and seek other nears to confirm or modify its finding. The decision was made to pursue only the first approach. Today, we are essentially where we were last January except that the plant is almost ready for fuel loading. Once again we are faced with devaloping a program to establish a basis to permit a decision to be made on the licensing of Diablo Canyon. We believe it would be impredent to once again pursue a single path based on acquiring additional information to convince the USGS review team (a relatively few individuals) to modify its current position. He again recommend a multi-faceted approach. The program we would propose to pursue is as follows:

- 1. Formally request that an independent review be conducted within USGS to confirm or modify the current USGS review team finding. This request might be made by Chairman Anders to the Secretary of the Interior and could, if legal considerations demand, be based on generic West Coust concerns rather than the Diublo Canyon issue alone.
- 2. Concurrently, form a team of consultants consisting of up of national stature in the fields of geology, seismology, and saismic design to evaluate the situation. This team oight pursue various paths, including:

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- b. An independent evaluation of the evidence to arrive at a conclusion on the SSE that might be compared to those of the USGS review team and the panel of experts established by the licensee.
- c. Assess the prospects for upgrading the plant design to higher SSE values by plastic analysis and/or structural modifigations and testing.
- 3. Concurrently, form a task force to review the current status in an attempt to determine if a probabilistic basis can be established to license Unit 1 for an interim period of operation while the other reviews are being conducted.
- 4. Consurrantly, inform the licensee of the course of action we are persuing and require him to persua similar and/or elternative courses so that our final decisions may be made on the basis of our evaluation of his efforts supplemented by our independent assessments.

INCEDIATE ACTIONS

We are planning to take immediate actions to initiate some of the approaches indicated above. Specifically we plan to:

- 1. Neet with NRR management to obtain approval of the general approach or to obtain an approximation program.
- 2. Heat temorrow (at Chicago, Illinois) with Ar. Newmark to begin to formulate the team of consultants discussed in item 2 above, and the task force discussed in item 3 above. At the same meeting Dr. Newmark will make a presentation to us so that we may clearly understand the bases and limitations of his recent paper on seismic design margins and probabilities of structural and mechanical failures.
- 3. Meet here, later this week, with the licensee to advise him of the current status of review and of the program we intend to pursue to establish a basis for a decision.

In view of the seriousness of the problem, it is essential that strong Regulatory runagement be imposed immediately to "manage" the team of consultants and the probability task force. These runagers should be the highest level managers that we can practically assign to the tasks.

ASSOCIATED CONSIDERATIONS

In developing a program to follow to resolve the Diablo Camyon problem, consideration should be given to:

- 1. The impact of our decisions on the nation's energy problems and programs. The impact of potential denial for operation of a plant approved for construction cannot be underestimated, especially where the basis for denial is in controversy.
- 2. The impact of our decisions on the noratorium before the California voters.
- 3. The impact of our decisions on the viability of continued operation of plants at other sites with altered seismological bases, such as San Onofre, Pilgrin, etc.
- 4. The impact of our decisions on the viability of continued operation of plants where it is uncertain that the capability exists to withstand altered design bases in areas other than seismic design, such as containment structural design, pipe whip inside containment, spurious valve failures, etc.

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