6-17-74

Harold R. Denton, Assistant Director for Site Safety, L

THRU: William P. Gammill, Chief, Site Analysis Branch, L

MEETING WITH APPLICANT ON NEARSHORE TSUNAMI POTENTIAL, DIABLO CANYON NPP, DOC. NOS. 50

I met with representatives of the applicant and their consultant on tsunamis, on June 6, 1974 in the applicant's San Francisco office. Those attending are as follows:

R. V. Bettinger	PG&E
Vince Ghio	PG&E
Bill Lindblad	PG&E
Dr. Basin Wilson	Tsunami Consultant to PG&E
L. G. Hulman	AEC

Dr. Wilson presented his analysis to date of the potential for nearshore tsunami generation. His assumptions were partially based upon input from Dr. Smith, the applicant's seismological consultant. Two potential tsunami generating fault structures were identified for analysis, without regard of the "capability" of the faults, in an attempt to identify the upper limit of the potential for such wave activity. One mechanism was a fault plane about 90 miles long located some 30 miles offshore. The other was a fault plane about nine miles long some five to seven miles offshore. Dr. Wilson discussed the initial sea wave form assumptions he was making over the fault planes, and described his yet to be undertaken one-dimensional analysis of the translation of the wave form over the continental shelf and in the Diablo Canyon harbor.

I indicated the analysis of postulated wave forms over the fault mechanisms should be supported as conservative. Dr. Wilson indicated he would make every effort to substantiate the conservatism of his wave form assumptions. Mr. Bettinger agreed to either provide an analysis of a tsunami triggered by a limiting longer nearshore fault, or to commit to provide such an analysis if the results of geological studies of the area do not conclusively demonstrate the short length used in Dr. Wilson's studies is conservative. I noted that Dr. Wilson's description of work yet to be accomplished was indicative of a significant slippage in the already slipped schedule for response

to the nearshore tsunami evaluation requested in round one questions. Mr. Bettinger indicated every effort will be made to meet the July 15 target date for response, and requested that Dr. Wilson use all available means to complete his work (including bringing in an additional consultant to complete the analysis under Dr. Wilson's direction if necessary).

Unless the analysis of nearshore tsunami potential indicates higher water levels than adopted during the PSAR, the only area of remaining concern is assurance that watertight doors to necessary pump compartments below design levels would be closed at all times (except for maintenance). The applicant agreed to provide such assurance.

I conclude the applicant will probably be unable to meet his scheduled July 15 date.

L. G. Hulman, Section Leader
Hydrologic Engineering Section
Site Analysis Branch
Directorate of Licensing

cc: J. Hendrie
A. Giambusso
W. McDonald
J. Panzarella
SS Branch Chiefs
A. Kenneke
T. Hirons
O. Parr
R. C. DeYoung
C. Long
C. Stepp
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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

JUN 17 1974

Harold R. Denton, Assistant Director for Site Safety, L

THRU: William P. Gammill, Chief, Site Analysis Branch, L

MEETING WITH APPLICANT ON NEARSHORE TSUNAMI POTENTIAL, DIABLO CANYON NPP, DOC. NOS. 50-275 & 323

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Vince Ghio	PG&E
Bill Lindblad	PG&E
Dr. Basin Wilson	Tsunami Consultant to PG&E
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