



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
ENVIRONMENTAL RESEARCH LABORATORIES

Joint Tsunami Research Effort  
U. of Hawaii/2525 Correa Road  
Honolulu, Hawaii 96822

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Regulatory

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Dr. L. G. Hulman  
Senior Hydraulic Engineer  
Site Analysis Branch  
Directorate of Licensing  
U.S. Atomic Energy Commission  
Washington, D.C. 20545



Dear Dr. Hulman:

Enclosed is the final report comparing tsunami run-up estimates from a numerical time-stepping technique with the ray tracing method used by Dr. Wilson. Note in Figures 3 and 4 the relatively greater variability in run-up as compared to what one would derive from Dr. Wilson's study. This is, as we indicated in past discussions, both expected and more realistic in that tsunamis do show considerable variability in run-up from point-to-point.

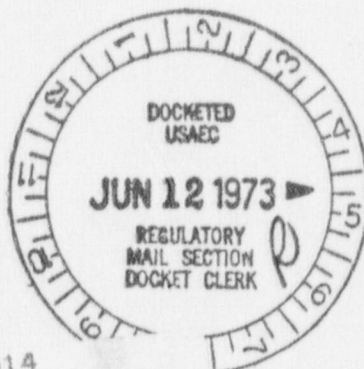
In terms of the local tsunami potential, these results do not conflict with the figure of 15.6 ft. from MLLW derived in Dr. Wilson's report.

With the availability of the time-stepping programs for both local (as used for San Onofre) and Pacific-wide tsunamis, I believe that in the future we can produce results which will convince the most conservative critic.

Sincerely,

Gaylord R. Miller, Director  
Joint Tsunami Research Effort

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