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October 1, 1980

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PACIFIC GAS AND ELECTRIC COMPANY
77 Beale Street
San Francisco, California 94106

Attention: Mr. Frank Brady

Gentlemen:

EVALUATION OF THE POTENTIAL FOR RESOLVING THE
GEOLOGIC AND SEISMIC ISSUES AT THE HUMBOLDT BAY POWER PLANT UNIT NO. 3

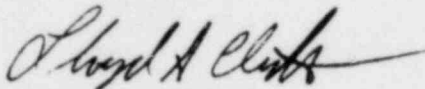
This Summary Report and the Appendixes volume present the results of our geology and seismicity studies in the Humboldt Bay area for the Humboldt Bay Power Plant Unit No. 3.

Our investigations indicate that the potential for resolving the issue of surface faulting is high. The site is underlain by well stratified deposits that allow an assessment of the location, sense, amount, and age of fault displacement to be made with confidence.

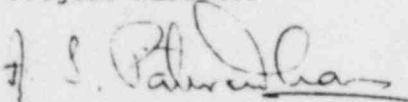
The potential for resolving the technical issue related to ground motions is also considered to be high. This is due to the availability of an empirical data base of strong motion recordings obtained during moderate to large earthquakes at stations close to the earthquake source and having subsurface soil conditions generally similar to the soil conditions at the plant site, and the availability of analytical techniques and site-specific data to supplement the empirical data base.

We appreciate the opportunity to work with you on this important project.

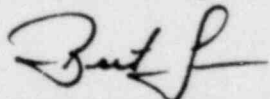
Sincerely,



Lloyd S. Cluff
Project Director



Ashok S. Patwardhan
Project Manager



F.H. Swan, III
Technical Director

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities

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