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PACIFIC GAS AND ELECTRIC COMPANY

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77 BEALE STREET, 31ST FLOOR . SAN FRANCISCO, CALIFORNIA 94106 . (415) 781-4211

JOHN C. MORRISSEY VICE PRESIDENT AND GENERAL COUNSEL MALCOLM H. FURBUSH

ASSOCIATE GENERAL COUNSEL

CHARLES T. VAN DEUSEN PHILIPA, CRANE, JR. HENRY J. LAPLANTE

RICHARD A. CLARKE JOHN B. GIBSON ARTHUR L. HILLMAN, JR

ROBERT CHLBACH

ASSISTANT GENERAL COUNSEL

October 27, 1978

DILBERT L. HARRIGE GLEWN WERT, IR. Dan Graffich Lubedde Jace F. Fallin, JR. Bernard J. Dellaganta EDWARD J. MCGANNEY DANIEL E. GIBBON JOBIPN I. KELLY MGWARD V. GOLUB JANES C. LOBBOON

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Mr. Robert W. Reid, Chief Operating Reactors Branch No. 4 U. S. Nuclear Regulatory Commission Washington, D. C. 20555

> Re: Docket No. 50-133 License No. DPR-7

Dear Mr. Reid:

Enclosed are forty copies of a report entitled:

"Quarterly Status Report of Investigations and Modifications Humboldt Bay Power Plant, Unit No. 3 July 1 - September 30, 1978 Report No. 19"

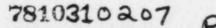
This report is submitted in response to Mr. Skovholt's letter dated January 4, 1974.

Kindly acknowledge receipt of the above material on the enclosed copy of this letter and return it to me in the enclosed addressed envelope.

Very truly yours,

C. prove, F

Enclosures



PACIFIC GAS AND ELECTRIC COMPANY DOCKET NO. 50-133

QUARTERLY STATUS REPORT OF INVESTIGATIONS AND MODIFICATIONS HUMBOLDT BAY POWER PLANT, UNIT NO. 3 JULY 1 - SEPTEMBER 30, 1978 REPORT NO. 19

October 10, 1978

Geologic Investigations

Geologic investigations continue. Two Pitcher drill rigs, capable of depths to 1700 feet, and one Barnes drill rig, capable of depths to 3000 feet, are working in the field. To date, a total of 18 shallow borings (depth less than 1700 feet) and 3 deep borings (depth 1700-3000 feet) have been completed.

Work in progress includes additional borings, field mapping, sampling, age dating, and interpretation.

Seismologic Investigations

Operation of the 16-station microseismic network continues.

Seismic Design Review and Design of Seismic Modifications

Seismic analysis and design of seismic modifications are now complete, with the exception of modifications to the Unit 2 horizontal boiler restraints. The design of these restraints has been deferred pending resolution of the geologic issues.

Purchase and Installation of Seismic Modifications

Installation of seismic modifications is now complete, with the exception of the few items deferred. These include the Refueling Building crane rail modifications and the remaining Unit 2 structural modifications.