

50-205

MAY 3 1968

Mr. Frank Neumann  
4546 45th Avenue, N. E.  
Seattle 5 Washington

Dear Mr Neumann:

This letter refers to Dr. Bryan's telephone discussions with you on May 1 concerning your availability to perform certain consulting services for the Atomic Energy Commission with regard to seismological considerations involved in the proposed Bodega Bay Nuclear power plant of the Pacific Gas & Electric Company. While the details incident to entering into a consulting contract with you have not been completed and will require a few days the time urgency involved in this case makes it desirable that we provide you with the information described below. This letter contains information concerning the expected schedule of Commission action on the application and the particular technical problems to which we would like you to address yourself. We are hopeful that this information will be helpful to you.

In accordance with Dr. Bryan's telephone conversation with you on May 1, I am enclosing a copy of the Preliminary Hazards Summary Report for Pacific Gas & Electric Company's Bodega reactor and Amendment No. 1 and Amendment No. 2 thereto. The first of these documents is the principle source of information presented by the applicant concerning the geology of the proposed reactor site and the effects of earthquakes on the reactor plant. The two amendments contain answers to questions which the Regulatory Staff of the Commission had presented to the applicant.

The following portions of the three documents contain particular information relating to the earthquake problem:

a. Hazards Summary Report:

- Sect. V - Plant Site and Environment (pages V-6-9).
- App IV - Report on Earthquake Hazards at the Bodega Bay Power Plant Site.
- App. V - Earthquake Hazards and Earthquake Resistant Design Bodega Bay Power Plant Site.

AIR MAIL  
SPECIAL DELIVERY  
OFFICE

8709180274 851217  
PDR FOIA  
FIREST085-665 PDR

8709180274

Frank Neumann

- 2 -

- b. Amendment No. 1 - Question 24  
Question 27  
Question 42  
Question 45
- c. Amendment No. 2 - Question 21  
Question 22

I am also enclosing a copy of a letter from the Commission's Advisory Committee on Reactor Safeguards on the Bodega plant.

The broad question which the Commission must consider with respect to earthquakes is whether in view of the proposed design and the geology and seismicity of the site there is reasonable assurance that a nuclear power plant of the type proposed can be built and operated without undue risk to the health and safety of the public. We have resolved this general question into two parts for further consideration:

1. An assessment based upon factual data and the best available technical judgment as to (a) the existence of faults under the plant itself which could result in significant relative displacement at the earth surface, and (b) the nature of the seismic activity which should be taken into consideration in plant design.
2. A determination of reasonable criteria which should be applied to the design of plant structures and components to take into account (a) the dynamic response of these structures and components to seismic disturbances and (b) the effects of surface displacements on the plant.

We would like you to consider problem 1 above in particular; however we would like you to freely comment on the overall question to the extent that you consider appropriate.

A public hearing on the application will be held in Santa Rosa, California, some 20 miles from the site of the proposed reactor, beginning on June 25. Since there has been considerable public interest in California in this case, the hearing may last as long as two weeks. In order to adequately prepare for the hearing and to prepare the Atomic Energy Commission Regulatory Staff's hazards analysis which must be issued 20 days prior to the hearing, it seems advisable to plan tentatively on discussing the case with you at Atomic Energy Commission Headquarters no later than May 9. We expect to have a Structural Engineering consultant from the

Frank Neumann

- 3 -

San Francisco area present at the same time. At this meeting we would thoroughly discuss the technical problems related to safety and to reach some conclusions with regard to the earthquake problem. Within the week following the meeting we would expect to receive a report setting forth your comments and conclusions.

Since the time for consideration of the technical problems is short please contact us by mail or telephone on any matter that may need discussion prior to our meeting with you.

You will receive further information from our Administrative Branch in a few days concerning the requirements to be fulfilled incident to the consulting contract. We will also send you tickets or Government Transportation Requests necessary for your travel.

Sincerely yours

(Signed)

Eber R. Price, Assistant Director  
Division of Licensing and Regulation

Eber R. Price  
Assistant Director  
Division of Licensing  
and Regulation

Enclosures: 4  
As stated above

Distribution

E. R. Price

E. G. Case

Suppl.

R&PRSB:DL&R Files

DL&R Files

OFFICE ▶	R&PRSB:DL&R	DL&R	DL&R			
SURNAME ▶	RHBryant:th	EGCase	ERPrice			
DATE ▶	5/3/63	5/3/63	5/3/63			