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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

Docket No. 50-155

AUG 04 1980

Mr. David P. Hoffman  
Nuclear Licensing Administrator  
Consumers Power Company  
212 West Michigan Avenue  
Jackson, Michigan 49201

Gentlemen:

RE: BIG ROCK POINT

Our letter to you dated January 15, 1979 requested that you initiate as part of the Systematic Evaluation Program (SEP) a program to demonstrate the seismic design adequacy of your facility. In relation to this request, we are aware of your efforts to develop a site specific ground response spectrum for your site; however, active structural/mechanical evaluations have not specifically been initiated. You are requested to submit, by September 15, 1980, details of your plans for proceeding with a seismic evaluation program and provide justification for why you conclude that continued operation is justified in the interim until the program is complete.

Your submittal should address the scope of review and evaluation criteria and provide a schedule for completion. The analytical portion of your program should be completed no later than January 1, 1982. Any modifications to the facility that may be necessary as a result of your evaluations should be installed by the following refueling outage, but no later than January 1, 1983. Any proposed changes to the facility as described in the safety analysis report shall be made in accordance with 10 CFR 50.59 of the Commission Regulations.

As a minimum, your program should provide for an evaluation of:

1. The integrity of the reactor coolant pressure boundary,
2. The integrity of fluid and electrical distribution systems related to safe shutdown and engineered safety features,
3. The integrity and functionability of mechanical and electrical equipment and engineered safety feature systems (including containment).

Although we have delayed until the end of 1980 a final decision relative to seismic input to maximize the potential benefits to be derived from use of site specific ground response spectra, we expect you to proceed with your seismic evaluation program. Based upon input that we have received from the Lawrence Livermore Laboratory/TERA Corporation Site Specific Spectra Project, the Systematic Evaluation Program licensees, NRC consultants and other sources, we have concluded that the ground response spectra shown in the Attachment 1 is an appropriate level at which to initiate your evaluations. Between now and the end of 1980 we plan to complete additional work that will allow us to finalize our decision. It does not appear likely that the ground response spectra shown

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POOR QUALITY PAGES

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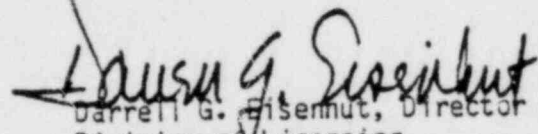
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in Attachment 1 will be modified to a large degree. Therefore, we strongly recommend that you use this ground response spectrum in your evaluations. The bases for our decision are documented in Attachment 2.

You are free to make an alternative proposal for use in the interim until the final NRC staff decision is made. We must emphasize that taking such an approach involves increased risk on your part because certain evaluations may have to be redone at a later time. Furthermore, limitations of NRC staff resources make review of alternative proposals impossible in the near term.

In accordance with 10 CFR 50.54(f) of the Commission's regulations you are requested to submit the information described above on the dates indicated above in order to enable the Commission to determine whether or not your license should be modified, suspended or revoked.

Sincerely,



Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Attachment:  
As stated

cc: See next page

Mr. David P. Hoffman

cc

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BIG ROCK POINT

