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Docket No.: 50-508

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Dear Mr. Cook:

Subject: Questions Generated by NRC Geosciences Branch in a Preliminary
 Review of the FSAR

As discussed in the meeting on December 7, 1982, an effort was initiated by the NRC staff to submit main topics of interest and any site specific questions NRC reviewers would like to see covered in the February 8th WNP-3 technical presentation to Geosciences Branch and Hydrologic and Geotechnical Branch. In a preliminary review of the FSAR geoscience reviewers requested the following items be discussed at the February 8th meeting.

1. A summary of regional tectonic synthesis, conclusions, and the basis for the conclusions.
2. Identify the maximum magnitude earthquake capable of being produced by the Juan de Fuca subduction zone, and the resulting ground motion. Present specific evidence.
3. Present a summary of the site region (subregion) structure lineaments, and analysis of these features. Present evidence for their stated non-capability.
4. Discuss significant new information since the FSAR, such as:
 - a. geology, stratigraphy, and structure as found in the foundation excavation
 - b. engineering tests of rock from site foundation
 - c. evidence for stated non-capability of faults in the site region
 - d. data on Mt. St. Helens and the effects on the WNP-3 site, ie., possible effects of wind blowing toward the site during an eruption

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Mr. Kenneth W. Cook

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- e. the postulated NNW fault from Mt. St. Helens toward the site; whether the fault exists; and if so what kind of fault it is and evidence concerning its capability
- f. Land-slide hazards near the site

As stated earlier these are questions generated from a preliminary review to give you an idea of what the NRC staff would like to see discussed at the February 8th technical presentation.

Sincerely,

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George W. Knighton, Chief
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Division of Licensing

cc: See next page

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