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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
October 3, 1980

Docket No. 50-344

Mr. Charles Goodwin, Jr.
Assistant Vice President
Portland General Electric Company
121 S.W. Salmon Street
Portland, Oregon 97204

Dear Mr. Goodwin:

In conducting our review of the recent volcanic activity at Mount St. Helens in relation to the Trojan Nuclear Plant, we have determined that we will need the additional information identified in the enclosure to continue our review.

In order for us to maintain our review schedule, your response is requested within 45 days of your receipt of this letter.

Please contact us if you have any questions concerning this request.

Sincerely,

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosure:
Request for Additional
Information

cc: w/enclosure
See next page

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Mr. Charles Goodwin, Jr.
Portland General Electric Company

cc: Mr. J. W. Durham, Esquire
Vice President and Corporate Counsel
Portland General Electric Company
121 S.W. Salmon Street
Portland, Oregon 97204

Donald W. Godard, Supervisor
Siting and Regulation
Oregon Department of Energy
Labor and Industries Building
Room 111
Salem, Oregon 97310

Columbia County Courthouse
Law Library, Circuit Court Room
St. Helens, Oregon 97501

Michael Malmros, Resident Inspector
U. S. Nuclear Regulatory Commission
Trojan Nuclear Plant
P. O. Box O
Rainier, Oregon 97048

Robert M. Hunt, Chairman
Board of County Commissioners
Columbia County
St. Helens, Oregon 97051

Director, Technical Assessment Division
Office of Radiation Programs (AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

U. S. Environmental Protection Agency
Region X Office
ATTN: EIS COORDINATOR
1200 6th Avenue
Seattle, Washington 98101

Request for Additional Information
Trojan Nuclear Plant
Portland General Electric Company
Docket No. 50-344

1. Since Mount St. Helens volcanism may continue for an indefinite period of time, issues related to the availability of long term cooling supplies should be documented. In question 361.2 you were requested to discuss the effects on Trojan of an eruption occurring on the west-southwest flank of Mount St. Helens. Some phenomena potentially impacting the plant include tephra, air blast, pyroclastic flows, mud flows, and debris flow.

   Coincident with these phenomena, and assuming that the plant is at full operation at the time of the initiating events discussed below, please identify the methods of obtaining cooling water to shut the plant down and maintain it in a shutdown condition. Include both the initial 30-day periods, requested by Regulatory Guide 1.27 "Ultimate Heat Sinks for Nuclear Power Plants," and for extended periods of time in excess of 30-days.

   a. Assume the loss of all water from the Columbia River due to blockage of the intake by sediment disposition.

   b. Loss of use of the cooling tower except for the basin.

   c. A combination of events 1 and 2.

   d. Loss of offsite power coincident with Items 1, 2 and 3.

2. Describe the actions being taken, or that have been taken subsequent to the May 18, 1980 Mount St. Helens eruption, to protect safety-related equipment, systems and components from suspended sediment in the Columbia River water withdrawn for plant use. Include discussions of maintenance schedules for equipment which can be or have been adversely affected by suspended sediment in the water from the Columbia River.