



Portland General Electric Company

David W. Cockfield Vice President, Nuclear

October 27, 1989

Trojan Nuclear Plant  
Docket 50-344  
License NPF-1

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington DC 20555

Dear Sir:

Response to Generic Letter 88-20,  
Supplement No. 1, "Initiation of the Individual  
Plant Examination for Severe Accident Vulnerabilities"

Information is provided in the attachment to this letter pursuant to your request under Title 10, Code of Federal Regulations, Part 50, Section 54(f) [10 CFR 50.54(f)] describing Portland General Electric's (PGE's) proposed program for completing the Individual Plant Examination (IPE) for the Trojan Nuclear Plant.

Sincerely,

Attachment

c: Mr. John B. Martin  
Regional Administrator, Region V  
U.S. Nuclear Regulatory Commission

Mr. David Stewart-Smith  
State of Oregon  
Department of Energy

Mr. R. C. Barr  
NRC Resident Inspector  
Trojan Nuclear Plant

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PORTLAND GENERAL ELECTRIC COMPANY (PGE)  
PROPOSED PROGRAM FOR COMPLETING THE INDIVIDUAL  
PLANT EXAMINATION (IPE) FOR THE TROJAN NUCLEAR PLANT

NRC REQUEST NO. 1:

Identify the method and approach selected for performing the IPE.

Response:

PGE will utilize the probabilistic risk assessment (PRA) method for performing an IPE for Trojan. The effort will include an in-depth analysis of Plant design and operations to identify any instances of particular vulnerability to core melt or unusually poor Containment performance given a core melt accident. This analysis will identify potential changes to Plant systems, components, and procedures that would reduce the likelihood of core melt or unusually poor Containment performance. These potential changes will be analyzed against specific criteria to assess desirability of implementation and those changes selected will be scheduled and performed. Experienced permanent utility staff personnel will be used to the maximum extent practical for the effort, however, assistance from an experienced PRA firm with nuclear plant familiarity will also be required. This will enhance confidence and familiarity with the results, facilitate integration of the knowledge gained from the examination into emergency operating procedures and training programs, and allow for ease in ongoing use of the IPE for future accident management programs.

NRC REQUEST NO. 2:

Describe the method to be used, if it has not been previously submitted for staff review.

Response:

The PRA method for performing an IPE has been previously submitted for NRC staff review and has been identified as an acceptable method in NRC Generic Letter 88-20.

NRC REQUEST NO. 3:

Identify the milestones and schedules for performing the IPE and submitting the results to the NRC.

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Response:

The milestones and schedules for performing the IPE are as follows:

- a. Select PRA firm to assist PGE in performing the Trojan IPE by December 31, 1989.
- b. Substantially complete IPE work and prepare preliminary IPE report for internal PGE review by January 31, 1992.
- c. Complete internal review and finalize IPE results by May 31, 1992.
- d. Submit final IPE report to NRC for review by September 1, 1992.

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