

January 30, 1990

Docket No. 50-344

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Mr. David W. Cockfield  
 Vice President, Nuclear  
 Portland General Electric Company  
 121 S.W. Salmon Street  
 Portland, Oregon 97204

Dear Mr. Cockfield:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - TROJAN ISI PROGRAM

The NRC staff, with technical assistance from Idaho National Engineering Laboratory, is reviewing the Second Ten-Year Interval Inservice Inspection program for the Trojan plant. The enclosure to this letter contains a request for additional information needed to complete our review. Please respond within 45 days of receipt of this letter.

Sincerely,

original signed by Roby Bevan  
 Roby Bevan, Project Manager  
 Project Directorate V  
 Division of Reactor Projects - III,  
 IV, V and Special Projects  
 Office of Nuclear Reactor Regulation

Enclosure:  
 Request for Additional Information

cc w/enclosure:  
 See next page

DRSP/PDV  
 PShea  
 1/25/90

DRSP/PDV  
 RBevan:sg  
 1/25/90

(A)D/DRSP/PDV  
 CTrammell  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

January 30, 1990

Docket No. 50-344

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Vice President, Nuclear  
Portland General Electric Company  
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Sincerely,

A handwritten signature in black ink that reads "Roby Bevan".

Roby Bevan, Project Manager  
Project Directorate V  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
Request for Additional Information

cc w/enclosure:  
See next page

Mr. David W. Cockfield Trojan Nuclear Plant  
Portland General Electric Company

cc:

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
Trojan Nuclear Plant  
Post Office Box 0  
Rainier, Oregon 97048

Mr. Michael J. Sykes, Chairman  
Board of County Commissioners  
Columbia County  
St. Helens, Oregon 97501

Mr. David Stewart-Smith  
Oregon Department of Energy  
Salem, Oregon 97310

Regional Administrator, Region V  
U.S. Nuclear Regulatory Commission  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

PORTLAND GENERAL ELECTRIC COMPANY  
TROJAN NUCLEAR PLANT  
DOCKET NUMBER 50-344

MATERIALS AND CHEMICAL ENGINEERING BRANCH  
DIVISION OF ENGINEERING AND SYSTEMS TECHNOLOGY

Request for Additional Information - Second 10-Year Interval Inservice  
Inspection Program Plan

1. Scope/Status of Review

The information in the Trojan Nuclear Plant Second 10-Year Interval ISI Program, Revision 0, was reviewed, including the requests for relief from the ASME Code Section XI requirements which the Licensee has determined to be impractical.

In a letter dated August 15, 1988, the NRC requested additional information that was required in order to complete the review of the ISI Program and relief requests. The Licensee provided additional information in the submittals dated October 7, 1988 and September 29, 1989, including Revision 1 of the ISI Program, Revision 0 of the ISI Plan, and additional relief requests.

The staff has reviewed the available information in the Trojan Nuclear Plant Second 10-Year Interval ISI Program, through Revision 1, and Plan, Revision 0, and the additional requests for relief from the ASME Code Section XI requirements which the Licensee has determined to be impractical.

2. Additional Information/Clarification Required

Based on the above review, the staff has concluded that the following information and/or clarification is required in order to complete the review of the ISI Program and Plan:

- A. Section 6.3, "Class 3 Exempt Components," on page 6-6 of the ISI Program, Revision 1, states that piping and components in the

Class 3 systems listed are exempt from examination by IWD-1220. Paragraph IWD-1220 of Section XI of the Code does exempt certain Class 3 integral attachments from examination but does not exempt Class 3 piping from examination. Table IWD-2500-1 of Section XI of the Code requires visual (VT-2) examination of Class 3 pressure retaining components during system hydrostatic and system pressure tests. Note 4 of Table IWD-2500-1 states that there are no exemptions or exclusions from these requirements except as specified in IWA-5214(c). Provide clarification of the exemptions taken for Class 3 systems.

- B. Paragraph (4)(d) of Section 11.1, "General Criteria," on page 11-2 of the ISI Program, Revision 1, states that component connections, piping, and associated valves that are 1-inch nominal pipe size and smaller are exempt from hydrostatic testing. This statement only applies in cases where there have been welding repairs made on the pressure retaining boundary as stated in Paragraph IWA-4400(b)(5). Confirm that this piping has not been exempted from the hydrostatic testing required by IWA-5000.
- C. The Code requires both surface and volumetric examinations of certain Class 1 and Class 2 piping welds, whereas the ISI Program states that only volumetric examination is required. Corrections should be made to the following items in Table A, "Class 1 Section XI Summary," and Table B, "Class 2 Section XI Summary," of the ISI Program to include the Code-required surface examination:

Table A, "Class 1 Section XI Summary," Pages 16 and 17, Items B9.11 and B9.31, respectively.

Table B, "Class 2 Section XI Summary," Page 37, Items C5.11 and C5.12, and Page 39, Items C5.51 and C5.52.

Note that these are only examples -- the Licensee should verify the correctness of all information in these two tables and make necessary corrections.

- D. Request for Relief RR-B2: It is stated in the ISI Program that the extent of examination for Class 2 piping welds has been determined by the 1986 Edition of the ASME Code Section XI. However, in Relief Request RR-B2, relief is requested from the 1983 Edition, Summer 1983 Addenda Code requirements for Class 2 piping welds. This relief request should be revised to include the requirements of the 1986 Edition of the ASME Code Section XI for Class 2 piping welds.

The schedule for timely completion of this review requires that the Licensee provide, by the requested date, the above requested information and/or clarifications with regard to the Trojan Nuclear Plant Second 10-Year Interval ISI Program, Revision 1, and Plan, Revision 0.