

050-344

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October 10, 1979

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Gentlemen:

Attached to this letter is a List of Requests for Design Changes (RDCs) associated with the modification program described in the Report on Design Modifications for the Trojan Control Building (PGE-1020). These items are modifications involving piping supports necessary to qualify piping systems for response spectra developed in accordance with PGE-1020, Appendix B. The items on this list will not individually or collectively with other modifications reduce the shear capacity of any major shear wall by greater than 1 percent. Nor do the items involve weight additions which may result in an increase of greater than 1 percent of the calculated lateral forces in any major shear wall.

In addition, further design development of a modification described on the attachment to my letter of August 3, 1979 will modify the description of that item. The strut assembly being added as Job 51 of RDC 79-028 will be attached to a concrete wall rather than to existing steel and a block wall. Job 51 is located below Elevation 45 ft and therefore will not significantly affect shear capacity of walls above Elevation 45 ft.

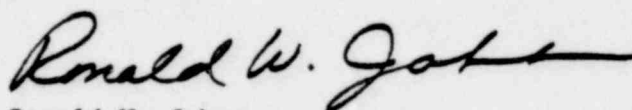
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Portland General Electric Company

Messrs. Miller,
McCullom and Paxton
October 10, 1979
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The Licensee will continue to keep the Board informed of activities at Trojan as described at the March 30, 1979 Prehearing Conference (Tr. 3204-05).

Sincerely,



Ronald W. Johnson
Corporate Attorney
Portland General Electric Company

RWJ/4kk66.27B10
Attachment

c: R. H. Engelken
Nuclear Regulatory Commission
Region V

A. Schwencer
Nuclear Regulatory Commission

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ATTACHMENT

Following is the list of Request for Design Change (RDC) work items for which field work may be performed within the next few weeks.

The relationship of the work with the Control, Auxiliary and Fuel Building structures is briefly summarized below:

<u>RDC No.</u>	<u>Modification</u>	<u>Relationship</u>
79-028	<u>Job No. 31:</u> Modification of existing restraint for component cooling water piping, HBD-27-1 (SR 227).	The existing restraint attachment will be relocated for the strut assembly for the 14 in. piping at elevation 56 ft in the Auxiliary Building. The strut will be attached to the spent fuel pool wall (shear wall) with three new 1 in. diameter anchors. Weight added will be about 40 lbs. The modification will not have a significant affect on the shear wall capacity.
	<u>Job No. 37:</u> Addition of a snubber assembly for chemical and volume control system piping, HCC-23-2 (SS 300).	A snubber assembly will be added for the 4 in. piping at elevation 88 ft in the Fuel Building. Support steel will be attached to the floor slab above.
	<u>Job No. 39:</u> Modification of existing restraint on service water system piping, HFD-1-1 (SR 216).	A support brace will be added for the existing strut assembly for the 30 in. pipe at elevation 51 ft in the Fuel Building. The new brace will be attached to the slab on grade at elevation 45 ft.
	<u>Job No. 48:</u> Modification of existing restraint on spent fuel pool piping, SI-151R-10-7 (SR 5).	Stiffeners and a base plate extension will be added to the existing support steel for the strut on the 4 in. piping at elevation 46 ft in the Auxiliary Building. The base plate extension will be attached to the slab at elevation 45 ft.
	<u>Job No. 52:</u> Addition of double strut assembly for safety injection system piping, SI-1501R-1-1 (SR 302).	A double strut assembly for the 3 in. piping at elevation 65 ft in the Auxiliary Building will be added. Support steel for the restraint will be anchored to the slab at elevation 63 ft.

<u>RDC No.</u>	<u>Modification</u>	<u>Relationship</u>
79-028	<p><u>Job No. 56:</u> Addition of a snubber assembly for reactor coolant pump seal water piping, CS-151R-6-1 (SS 300).</p>	<p>A snubber assembly will be added for the 4 in. pipe at elevation 63 ft in the Fuel Building. Support steel for the snubber will be attached to the floor slab at elevation 61 ft.</p>
	<p><u>Job No. 59:</u> Addition of a snubber assembly for reactor coolant pump seal water piping, CS-151R-6-3 (SS 300).</p>	<p>A snubber assembly will be added for the 4 in. piping at elevation 66 ft in the Auxiliary Building. The snubber will be attached to a 27 in. minor shear wall with four 5/8 in. anchors. Total weight added will be about 25 lbs. The modification will not have a significant affect on the shear wall capacity.</p>
	<p><u>Job No. 60:</u> Addition of a snubber assembly for reactor coolant pump seal water piping, CS-151R-6-3 (SS 301).</p>	<p>A snubber with support steel will be added for the 4 in. pipe at elevation 68 ft in the Auxiliary Building. The support steel will be attached to existing structural floor support steel.</p>
	<p><u>Job No. 69:</u> Addition of a strut assembly for primary makeup water piping, RC-151R-19-1 (SR 300).</p>	<p>A strut assembly and support steel will be added for the 3 in. piping at elevation 55 ft in the Auxiliary Building. Support steel will be attached to structural floor support steel and to the spent fuel pool wall with four 5/8 in. drilled anchors. Total weight added will be about 150 lbs. The modification will not have a significant affect on the shear wall capacity.</p>
	<p><u>Job No. 70:</u> Addition of a snubber assembly for primary makeup water piping, RC-151R-19-1 (SS 301).</p>	<p>A snubber assembly will be added for the 3 in. pipe at elevation 58 ft in the Auxiliary Building. The assembly will be attached to the support steel for Job No. 69, which in turn, is attached to the spent fuel pool wall. Total weight added will be about 40 lbs. The modification will not have a significant affect on the shear wall capacity.</p>

RDC No.	Modification	Relationship
79-028	<p><u>Job No. 73:</u> Addition of a strut assembly for Containment vent monitoring system piping, HBD-91-4 (SR 301).</p>	<p>A strut assembly will be added for the 4 in. piping at elevation 102 ft in the Auxiliary Building. The strut will be attached to a 24 in. minor shear wall with four 1/2 in. diameter anchors. Total weight added will be about 35 lbs. The modification does not have a significant affect on the shear wall capacity.</p>
	<p><u>Job No. 75:</u> Addition of a restraint for chemical and volume control system piping, HCC-29-3 (SR 300).</p>	<p>A steel restraint will be added for the 3 in. piping at elevation 80 ft in the Auxiliary Building. The base plate for the restraint will be attached to a 44 in. thick minor shear wall with four new 3/4 in. diameter drilled anchors. Total weight added will be about 25 lbs. The modification will not have a significant affect on the shear wall capacity.</p>
	<p><u>Job No. 77:</u> Addition of strut assembly for spent fuel pool cooling system piping, HCC-48-1 (SR 302).</p>	<p>A strut assembly with support steel will be added for the 10 in. piping at elevation 66 ft in the Auxiliary Building. The support steel is attached to structural floor support steel.</p>
	<p><u>Job No. 78:</u> Addition of strut assembly for spent fuel pool piping, HCC-48-1 (SR 303).</p>	<p>A double strut assembly will be added for the 10 in. piping at elevation 68 ft in the Auxiliary Bulding. The struts will be attached to the spent fuel pool wall with four 5/8 in. drilled anchors each. Total weight added by the modification will be less than 150 lbs. The modification will not have a significant affect on the shear wall capacity.</p>

RDC No.	Modification	Relationship
79-028	<p><u>Job No. 89:</u> Addition of a restraint for reactor coolant pump seal water piping, CS-151R-6-3 (SR 304).</p>	<p>A steel restraint will be added for the 4 in. piping at elevation 68 ft in the Auxiliary Building. Support steel will be attached to a 30 in. thick minor shear wall with four 5/8 in. diameter drilled anchors. Total weight added will be about 50 lbs. The modification will not have a significant affect on the shear wall capacity.</p>
	<p><u>Job No. 98:</u> Modification of an existing restraint for chemical and volume control system piping, CS-151R-12-3 (SR 110).</p>	<p>The existing stanchion restraint will be replaced with a steel support frame for the 4 in. piping at elevation 86 ft in the Fuel Building. The support steel will be attached to the 33 in. thick concrete holdup tank enclosure wall (shear wall) with six new 3/4 in. diameter drilled anchors. Total weight added will be about 130 lbs. The modification will not have a significant affect on the shear wall capacity.</p>

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
) Docket 50-344
PORTLAND GENERAL ELECTRIC COMPANY,)
et al) (Control Building Proceeding)
)
(Trojan Nuclear Plant))

CERTIFICATE OF SERVICE

I hereby certify that on October 10, 1979, Licensee's letter, dated October 10, 1979 with a list of Requests for Design Changes, has been served upon the persons listed below by depositing copies thereof in the United States mail with proper postage affixed for first class mail.

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CERTIFICATE OF SERVICE

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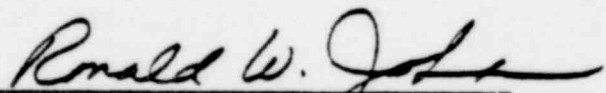
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Ronald W. Johnson
Corporate Attorney
Portland General Electric Company

Dated: October 10, 1979

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