

Portland General Electric Company
Trojan Nuclear Plant
P.O. Box 439
Rainier, Oregon 97048
(503) 556-3713

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July 30, 1982

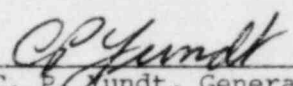
REGISTRATION

Mr. R. H. Engelken
Regional Administrator
US Nuclear Regulatory Commission
1450 Maria Lane - Suite 210
Walnut Creek, California 94596-5368

Dear Sir:

In accordance with the Trojan Plant Operating License, Appendix A, USNRC Technical Specification 6.9.1.9b, attached is Licensee Event Report No. 82-12 concerning potential degradation of the 2-inch 'D' reactor coolant loop drain line during a safe shutdown earthquake (SSE) due to a disconnected mechanical pipe snubber. This is reportable as a condition leading to operation in a degraded mode of structural integrity of an ASME Code Class I component in accordance with Technical Specification 3.4.10.1.

Sincerely,


C. P. Fundt, General Manager


R. L. Steele, Manager
Nuclear Projects Engineering

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Attachments

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REPORTABLE OCCURRENCE

1. Report No: 82-12
2. Report Date: July 30, 1982
3. Occurrence Date: July 16, 1982
4. Facility: Trojan Nuclear Plant, PO Box 439, Rainier, Oregon 97048
5. Identification of Occurrence:

It was discovered by piping stress analysis on July 16, 1982 that a disconnected mechanical pipe snubber on the 2-inch 'D' reactor coolant loop drain line would cause the pipe stress to reach its initial yield stress during an SSE. The snubber was originally found to be disconnected from the pipe during performance of a mechanical pipe snubber inspection on May 21, 1982 at which time analysis of piping structural integrity without the snubber was initiated.

6. Conditions Prior to Occurrence:

The plant was shut down and in a defueled condition when the disconnected snubber was discovered.

7. Description of Occurrence:

On May 21, 1982 during performance of Periodic Engineering Test 9-6, "Mechanical Pipe Snubber Inspection", the seismic Category I snubber, RC-2501R-15-60-SS-1016, just downstream of 'D' reactor coolant loop drain valve 8057D was discovered to be disconnected from the pipe. The snubber was found unbolted from the transition tube.

8. Designation of Apparent Cause of Occurrence:

The cause of the snubber being disconnected is probably personnel error by either Maintenance or Construction personnel. It cannot be determined when the snubber was disconnected.

9. Significance of Occurrence:

This event had no effect on either plant or public safety. No seismic event has occurred that has produced significant ground motion at the plant during its lifetime. A piping stress analysis has shown that an earthquake of the intensity of an SSE (base ground acceleration 0.25 g horizontally and 0.17 g vertically) would have been required to cause this pipe to reach its initial yield stress. Failure of this 2-inch pipe would cause a small loss of coolant accident that is within the bounding conditions of the Final Safety Analysis Report.

10. Corrective Action:

The snubber was reconnected to the transition tube immediately after it was discovered. An analysis of piping structural integrity without the snubber was then initiated. On July 16, 1982 a pipe stress analysis determined that without the snubber the pipe initial yield stress would have been reached during an SSE. Construction and Maintenance personnel are being reminded of the importance of not altering any system components which are not specifically addressed in a procedure or work package.