



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

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REGISTRATION  
SERVICES

October 31, 1980  
CPY-1074-80

Mr. R. H. Engelken, Director  
Nuclear Regulatory Commission, Region V  
1990 North California Blvd.  
Walnut Creek, California 94596

Dear Sir:

In accordance with IE Bulletin 79-01B, attached is Licensee Event Report No. 80-22, concerning a situation where several safety-related electrical components were discovered to be possibly unqualified in accordance with the environmental qualification criteria of IE Bulletin 79-01B for intended service conditions.

Sincerely,

C. P. Yundt  
General Manager

CPY/JCP:na  
Attachments

c: LER Distribution List

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REPORTABLE OCCURRENCE

1. Report No.: 80-22
2. a. Report Date: October 31, 1980  
b. Occurrence Date: October 28, 1980
3. Facility: Trojan Nuclear Plant, P.O. Box 439, Rainier, Oregon 97048
4. Identification of Occurrence:

Several safety-related electrical components were discovered to be unqualified in accordance with the environmental qualification criteria of IE Bulletin 79-01B for intended service conditions.

5. Conditions Prior to Occurrence:

The Plant was in Mode 1 at 100 percent of rated power.

6. Description of Occurrence:

As a result of the detailed review of the environmental qualification of safety-related electrical equipment in accordance with the requirements of IE Bulletin 79-01B, the following equipment was determined to be unqualified:

- a. Barton transmitters (Model Nos. 345, 384, 389, and 393) - Qualification testing of 384 transmitter did not demonstrate operability for required time. Qualification testing has not been performed for other models and similarity to qualified types is insufficient to demonstrate qualification conclusively.
  - b. Burns RTDs (POR-302) - Material analysis indicates these components are unsuitable for radiation environment.
  - c. NAMCO D2400X limit switches - Qualification testing for HELB environment has not been performed. Material analysis indicates these components are unsuitable for radiation environment.
  - d. Limitorque motor operator brakes - Radiation qualification testing has not been performed. Although similar brakes are qualified, insufficient information exists to apply test results to these units.
7. Designation of Apparent Cause of Occurrence:

This occurrence was caused by changes in the criteria for environmental qualification of safety-related electrical equipment required by IE Bulletin 79-01B and Revised Order for Modification of License dated September 25, 1980.

8. Analysis of Occurrence:

This event has no effect on either plant or public safety. Although the equipment is qualified in accordance with the Trojan FSAR, reasonable assurance does not exist that failure of equipment will not occur when exposed to the environmental conditions postulated in IE Bulletin 79-01B. Postulated equipment failures would not preclude the performance of safety-related functions.

9. Corrective Action:

The immediate corrective action taken was to perform a safety evaluation to ensure that equipment failure would not preclude the performance of safety-related functions. (See Enclosure 4 of response to IE Bulletin 79-01b, dated 9-5-80.) The permanent corrective action taken will be replacement or modification of equipment to meet the qualification criteria of IE Bulletin 79-01B prior to June 30, 1982.