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## Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

Docket No. 50-397

April 12, 1983  
G02-83-333

Mr. J. B. Martin  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Subject: NUCLEAR PROJECT NO. 2  
10CFR50.55(e) NON-REPORTABLE CONDITION #238,  
TEST SPECIMEN FAILURE

Reference: Telecon QA2-83-056, dated March 10, 1983, L.C. Floyd to  
J. Elin.

In accordance with the provisions of 10CFR50.55(e), your office was informed, by telephone, of the above subject condition on March 10, 1983. Attachment I provides the Project's final report on the subject non-reportable condition.

If you have any questions regarding this condition, please contact Roger Johnson, Project QA Manager, WNP-2, at (509) 377-2501, extension 2712.

  
C. S. Carlisle  
Program Director, WNP-2

LCF/kd

Attachment: Final Report

cc: W.S. Chin, BPA  
A. Forrest, Burns and ROE - HAPO  
N.D. Lewis, NRC  
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Attachment I

WASHINGTON PUBLIC POWER SUPPLY SYSTEM  
NUCLEAR PROJECT NO. 2  
DOCKET NO. 50-397  
LICENSE CPPR-93  
10CFR50.55(e) CONDITION #238  
TEST SPECIMEN FAILURE

FINAL REPORT

DESCRIPTION OF DEFICIENCY

Temperature control modules WMA-TS-12A and 12B failed during qualification testing. The printed circuit board traces in the control module overheated and separated when subjected to the manufacturer's rated test current of 10 amperes.

SAFETY IMPLICATION

Temperature control modules WMA-TS-12A and 12B control electric heaters WMA-EHC-51A and 51B within the HVAC Unit for the main control room and cable spreading room. During normal plant operation, the control room equipment and lighting loads are such that the heaters are not required to operate. Only at such time that the plant is down due to refueling, etc., and the control room equipment heat loads are reduced does the heating units need to operate. The units are Class 1E only because they are a portion of the overall HVAC Unit for the control room. Since the component is not required for maintenance of a safety related function, the failure of the control module is considered to be a non-reportable deficiency.

CORRECTIVE ACTION

The steady state 10 amperes of current applied during qualification testing was higher than the 6.5 amperes inrush and .47 amperes holding current that is conducted during system operation. However, the Supply System chose to replace the printed circuit board traces with wire jumpers to assure current capability.