Docket Nos. 50-460/513

50.55(e) Report

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REGION V

Washington Public Power Supply System

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

December 28, 1981
GO-1-81-431

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Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Attention: Mr. R. H. Faulkenberry
Chief, Reactor Construction
Projects Branch

Subject: SUPPLY SYSTEM NUCLEAR PROJECTS NOS. 1 AND 4
DOCKET NOS. 50-460 AND 50-513
REPORTABLE CONDITION 10CFR50.55(e)
INDUCED NEUTRON FLUX ERROR - INTERIM REPORT

Reference:
1) Telecon, TJ Houchins, Supply System to DF Kirsch, Region V Nuclear Regulatory Commission dated November 13, 1980

2) Letter, DW Mazur, Supply System to RH Engelken, NRC, same subject, dated December 12, 1980

3) Letter, DW Mazur, Supply System to FH Faulkenberry, NRC, Same Subject, dated July 28, 1981.

In reference (2) the Supply System reported the existence of a reportable condition (10CFR50.55(e)) to the NRC. The concern related to errors in the measurement of core neutron flux during certain postulated accidents. In reference (3) we provided an interim report on this item. The status of the resolution of this concern to date is as follows:

Status

There are two potential resolutions to this concern. They are: (1) a hardware change providing an alternate measurement of core power, and (2) new analyses confirming the acceptability of the present design. In December, Babcock & Wilcox completed their initial evaluations of the feasibility of both of these potential resolutions. It appears that either method is feasible. Babcock & Wilcox is to make their formal recommendation as to the desired resolution in January 1982.

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We expect to provide your office with a report describing the resolution of this concern by March 3, 1982.

D. W. Mazur
Program Director
WRP-1/4

CRE:MER:lm
cc: CR Bryant, BPA/399
V. Mani, UE&C/897
RR Steinke, B&W