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## Washington Public Power Supply System

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1985 JUL -3 AM 10:40

July 1, 1985  
G01-85-0145

REGION V I&E


Mr. J. B. Martin  
Regional Administrator  
Nuclear Regulatory Commission  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, Calif. 94596

Subject: NUCLEAR PROJECT NO. 1  
DOCKET NO. 50-460  
POTENTIALLY REPORTABLE CONDITION 10CFR50.55(e)  
EMERGENCY DIESEL GENERATOR CONTROL PANEL

Reference: Telecon, C.R. Edwards, Supply System to R.T. Dodds, NRC,  
same subject, dated June 5, 1985

In the noted reference, the Supply System informed your office of a potentially reportable deficiency in accordance with the requirements of 10CFR50.55(e). Attachment A provides a statement of the identified condition and a brief description of our planned actions to correct the identified deficiency. Based on the construction status at WNP-1, the Supply System will not be able to issue a final report at this time. An update will be provided by December 1985.

If you have any questions or desire further information, please advise.

  
R. W. Root, Jr.  
WNP-1 Program Director (821)

RWR:LCO:pp

Attachments

cc: A.D. Edmondson, UE&C (898)  
E.C. Haren, UE&C (895)  
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## **ATTACHMENT A**

DOCKET NO. 50-460  
POTENTIALLY REPORTABLE CONDITION PER 10CFR50.55(e)  
EMERGENCY DIESEL GENERATOR CONTROL PANEL

### **DESCRIPTION OF DEFICIENCY**

The Supply System's WNP-1 Project utilizes two Emergency Diesel Generators from Transamerica Delaval Inc. (TDI) as its emergency power supply source. TDI recently issued a 10CFR Part 21 report concerning a potential problem with the generator control panel. Each engine has its own generator control panel.

The Engine Generator Control Panels were purchased by Transamerica Delaval from RTE DELTA of Stockton, California. Some of the components were furnished by the generator manufacturer (NEI Peeples-Electric Products, Inc. of Cleveland, Ohio) for installation in the Generator Control Panel by RTE DELTA. The potential problem with the control panel is overheating caused by exciter regulator transformers supplied by Electric Products.

### **ANALYSIS OF SAFETY IMPLICATION**

Overheating in the panel interior could lead to failure of components which would affect the availability of the diesel generator.

### **CAUSE OF DEFICIENCY**

Electric Products recently increased their calculated heat loss values for the exciter regulator transformers. Although the maximum recommended operating temperature for the transformers is 140°F/60°C, it is not yet known if the design temperature of the panel, due to this increased heat load, can be maintained without modifications.

### **CORRECTIVE ACTION**

The current time/temperature data for the area these panels are located in is being supplied to RTE DELTA to determine if this increased heat load will require modifications to the panel to enhance the ventilation characteristics. The results of this investigation and corrective actions, if any, will be provided in a subsequent report. Actual hardware modifications will not be implemented until after construction restart.

### **ACTION TO PREVENT RECURRENCE**

Further investigations are being performed at this time. Sufficient information does not yet exist to determine if additional actions may be required.