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August 23, 1985

D. O. Foster
Vice President and Project
General Manager
Vogtle Project



United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II - Suite 2900
101 Marietta Street, Northwest
Atlanta, Georgia 30323

File: X7BG03-M80
Log: GN-687

Reference: Vogtle Electric Generating Plant-Units 1 and 2, 50-424, 50-425;
Transamerica Delaval Diesel Generator - Control Panel;
Letter GN-663, dated July 17, 1985.

Attention: Mr. J. Nelson Grace

In previous correspondence on this subject, Georgia Power Company stated the NRC would be informed of the results of the evaluation of this potentially reportable condition on or before August 30, 1985. Georgia Power Company has completed its evaluation of this concern and determined that a reportable condition did exist. Since Transamerica Delaval has informed the NRC of this condition in their letter dated May 17, 1985, it has been concluded, based on guidance in NUREG 0302, that the reporting requirements of Part 10 CFR 21 have already been met. Georgia Power Company is therefore reporting this concern pursuant to the requirements of Part 10 CFR 50.55(e). A summary of the evaluation is attached.

This response contains no proprietary information and may be placed in the NRC Public Document Room.

Yours truly,

D. O. Foster

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EVALUATION FOR A POTENTIALLY REPORTABLE CONDITION

TRANSAMERICA DELAVAL DIESEL GENERATOR - CONTROL PANEL

Initial Report:

On June 20, 1985, Mr. R. E. Folker, Vogtle Project Quality Assurance Engineer notified Mr. V. L. Brownlee of the USNRC - Region II of a potentially reportable condition concerning the Transamerica Delaval Diesel Generator - Control Panel. In a subsequent letter to the NRC, Georgia Power Company stated the NRC would be informed of the results of the evaluation of this condition on or before August 30, 1985.

Background Information:

On May 17, 1985, Transamerica Delaval, in accordance with the requirements of Title 10, Chapter 10, Code of Federal Regulations, Part 21, notified the commission of a potential defect in a component of the DSR or DSRV-16 Standby Diesel Generator. In their report, Transamerica Delaval identified a potential problem in the engine generator control panel that could result in engine non-availability. The diesel generators supplied for the Vogtle Electric Generating Plant were identified in a listing of engines that may have this potential defect.

Transamerica Delaval, in their report, stated the Engine Generator Control Panels were purchased from RTE DELTA of Stockton, California. Some of the components were furnished by the Generator Manufacturer (NEI Peebles - Electric Products, Inc. of Cleveland, Ohio) for installation in the Generator Control Panel by RTE DELTA. The potential problem associated with the control panel is overheating, which could lead to the failure of some components.

Transamerica Delaval recommended that each site review their Generator Control Panel installation for this potential problem. Transamerica Delaval indicated that changes made to the installation may solve the overheating situation. Additionally, Transamerica Delaval indicated that fan assemblies for improved ventilation can be installed and that a design for forced ventilation was complete.

Engineering Evaluation:

The engine generator control panel is an integral part of the standby diesel generator. The standby diesel generators provide onsite power to safety-related equipment to ensure their continual operation following a loss of offsite power.

During normal operation of the diesel generator, heat generated by the electrical components within the generator control panel could cause damage to heat sensitive components located inside the panel. This condition is the result of insufficient ventilation provided for the panel. Since the engine generator control panel is required for proper operation of the diesel generator, any damage of the control panel components due to overheating could result in engine non-availability. Because the design, fabrication, and service condition of both diesel generators for each unit is essentially the same, it is reasonable to postulate a common mode failure of the generator control panels on both engines due to overheating.

Conclusion:

Georgia Power Company has reviewed this condition and determined that a reportable condition did exist. This condition was reported under Part 10CFR21 by Transamerica Delaval on May 17, 1985 as a potential defect for several diesel generators, including Vogtle. Since Transamerica Delaval has informed the NRC of this condition in their letter dated May 17, 1985, it has been concluded that the reporting requirements of Part 10CFR21 have been met. Georgia Power Company is therefore reporting this concern pursuant to the requirements of Part 10CFR50.55(e).

Corrective Action:

A forced ventilation air duct has been designed for the engine generator control panel based on the TDI Owners Group recommendation. This ventilation design is to be reviewed by Transamerica Delaval to ensure it provides sufficient ventilation to cool the electrical components inside the panel to an acceptable level.

Transamerica Delaval



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Engine and Compressor Division
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Oakland, California 94621
(415) 577-7400

CHITRA

#130

May 17, 1985

Director, Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

In accordance with the requirements of Title 10, Chapter 10, Code of Federal Regulations, Part 21, Transamerica Delaval Inc., hereby notifies the Commission of a potential defect in a component of a DSR or DSRV-16 Standby Diesel Generator. There exists a potential problem with the Engine Generator Control Panel which could result in Engine non-availability.

Transamerica Delaval has supplied the DSR and DSRV Engines with the potential defect to the following utilities:

<u>Utility</u>	<u>Site</u>	<u>Serial No.</u>	<u>Model</u>
Long Island Lighting	Shoreham	74010/12	DSR 48
Middle South Energy	Grand Gulf	74033/36	DSRV 16
Gulf States Utilities	River Bend	74039/40	DSR 48
Duke Power Company	Catawba	75017/20	DSRV 16
Texas Utilities Services	Comanche Peak	76001/04	DSRV 16
Georgia Power	Vogtle	76021/24	DSRV 16
TVA	Bellefonte	75080/83	DSRV 16
Washington Public Power	WPPSS 1	75084/85	DSRV 16
Washington Public Power	WPPSS 4	76031/32	DSRV 16
SMUD	Rancho Seco	81015/16	DSR 48

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**Transamerica)
Delaval**



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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 Peoples-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, which could lead to failure of some components.

We recommend that each Site review their Generator Control Panel installation for this potential problem.

If this review indicates the problem exists, changes made to the installation may solve the overheating situation. Reducing the ambient temperature, operating with the doors open, or other things which will reduce heat rise are suggested.

In the event that it is not possible to eliminate the problem by site changes, fan assemblies for improved ventilation can be installed in the cabinets. The installation of forced ventilation has been reviewed by our Engineering Department and the Control Panel Manufacturer. The design for forced ventilation is complete.

If required, we will furnish all material, instructions and service on request, to complete this revision in accordance with each individual contract.

A copy of this letter will be sent to each site listed in paragraph 2 as shown by the cc's.

Our evaluation of this matter was completed on May 16, 1985.

Since correction of this potential defect depends on action by others, we cannot estimate when the action will be complete.

Very truly yours,

RE Boyer
R. E. Boyer
Manager, Quality Assurance

REB:hw
- Enclosure