

Transamerica
Delaval



Transamerica Delaval Inc.
Enterprise Engine Division
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100 Years

ES
12/9/86

PTZ 86390
Publicly Available

86-390

December 9, 1986

Report #137

Director, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 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 DSRV Standby Diesel Generator. There exists a potential problem with the K-1 relay (part of Voltage Regulator system) which could result in engine/generator non-availability.

Transamerica Delaval has supplied DSRV engines with this potential defect to the following site:

<u>Utility</u>	<u>Site</u>	<u>Serial #</u>	<u>Model</u>
Cleveland Electric	Perry	75051-54	DSRV-16-4

The voltage regulator is manufactured by Basler Electric and is part of the generator system provided by General Electric. Cleveland Electric is the only domestic plant with this configuration.

The K-1 relay is an integral part of the field flash circuit and is required to flash the field on initial engine/generator start-up. If the K-1 relay does not function properly, field flash will not occur and generator output will be adversely affected.

Several failures of the closing and trip relays internal to the K-1 relay have been reported by overseas nuclear power plants. An exact cause of these failures, however, has not yet been determined. This investigation has been tasked to General Electric and Basler.

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Page 2

We will keep the Commission and Cleveland Electric apprised as information becomes available from this investigation.

A copy of this letter will be sent to Cleveland Electric as noted by the carbon copy list.

Our evaluation of this matter was concluded on December 8, 1986.

Sincerely,

A handwritten signature in black ink, appearing to read 'B.C. Guntrum', written over a horizontal line.

B.C. Guntrum
Manager, Quality Assurance

BCG:ddm

cc: Cleveland Electric Illuminating Company
c/o Perry Nuclear Power Plant
P.O. Box 97
Perry, Ohio 44081

Attn: Mr. C.M. Shuster, Manager
Nuclear Quality Assurance