



**Florida  
Power**  
CORPORATION  
Crystal River Unit 3  
Docket No. 88-382

February 27, 1995  
3F0295-15

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

Subject: 10 CFR 21 Report - Constant Voltage Transformers

Dear Sir:

Attached is a 10 CFR 21 Report which is submitted to provide supplemental information to our **F**ax notification on January 27, 1995 relative to GE Nuclear Energy supplied constant voltage transformers. *Amf*

Sincerely,

P. M. Beard, Jr.  
Senior Vice President  
Nuclear Operations

PMB/JAF:ff

Attachment

xc: Regional Administrator, Region II  
Senior Resident Inspector  
NRR Project Manager

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10 CFR 21 REPORT

**REPORTED BY:**

Florida Power Corporation (FPC),  
Crystal River Unit 3 (CR-3),  
15760 W Power Line Street  
Crystal River, FL 34428-6708

FPC Contact: James A. Frijouf, Nuclear Regulatory Specialist, (904) 563-4754.

**COMPONENT SUPPLIER:**

GE Nuclear Energy, 175 Curtin Ave., San Jose, CA 95125

Purchased by FPC under Purchase Order (PO) # F740926D and F84. 19D.  
FPC part No. 0068020058.

**COMPONENT DESCRIPTION:**

Constant Voltage Transformer, GE Part #: DJ 265A 1824P 001  
Model Number: 9T91Y7244  
Serial Numbers: 94G139-0001-D; 94G139-0002D; 94G657-001D; and 94G657-002D

**DISCOVERY DATE:**

Notified NRC Operations Center via Fax at 1605 on January 27, 1995

**NUMBER OF COMPONENTS:**

FPC purchased four constant voltage transformers (CVT) under the two POs listed above. Two were installed in vital bus inverter (VBIT-1D) in December 1994, while the remaining two were located in the CR-3 warehouse, awaiting installation in VBIT-1B.

**DESCRIPTION:**

On January 26, 1995 at 1100, FPC personnel at CR-3 determined that, based on additional information received from the vendor following receipt and acceptance, two CVTs received for installation in VBIT-1B did not meet the FPC purchase order requirements. It was determined that the vendor (GE Nuclear) used an incorrect acceptance criteria for the qualification test and thus the FPC specified acceptance criteria used was not met by the CVTs.

The PO required the vendor to supply product quality certification attesting to full PO compliance [Certificate of Conformance (C of C)] to ensure the qualification of the supplied transformers. The CVTs were to be provided as Nuclear Grade items with the provisions of 10 CFR 21 applicable. The specifications were based on vendor supplied data which called for a CVT with 118 VAC output with a tolerance of +/- 1%. Based on the supplied C of C the two CVTs were accepted. Motivated by an unrelated issue, FPC engineers subsequently requested and received a test report from the vendor. This test report reflected a discrepancy between the PO required CVT voltage of 118 +/- 1% (116.8 to 119.2 volts), and by the tested CVT voltage of 117 +/- 1% (115.8 to 118.2 volts).

Having found this discrepancy, FPC personnel reviewed similar test reports accompanying the two CVTs which were received earlier and installed in vital bus inverter 1-D (VBIT-1D) in December 1994. The acceptance criteria used in this instance was likewise incorrect.

**CORRECTIVE ACTION:**

The NRC was notified of this potential 10 CFR 21 issue by FPC and the vendor was also notified of this discrepancy.

The vendor supplied FPC with instructions on the modification of the two CVTs located in the installed VBIT-1D, to return output voltage to the required values. FPC issued a Field Change Notice (FCN), modified the CVTs and performed a Modification Approval Record (MAR) Functional Test and Post Maintenance Test, and returned the installed vital bus inverter 1-D (VBIT-1D) to service.

Two CVTs located in the CR-3 warehouse, awaiting installation in VBIT-1B, were rejected from CR-3 stock and returned to the vendor for rework and testing to bring the CVTs within the specified requirements.

FPC recommended that GE Nuclear conduct a 10 CFR 21 review of this deviation in the event that these transformers have been supplied to other nuclear customers. The vendor concurred, and FPC will review the response from GE Nuclear to this issue.