



OLIVER D. KINGLEY, JR.
Vice President
Nuclear Operations

June 2, 1988

U. S. Nuclear Regulatory Commission
Mail Station Pl-137
Washington, D. C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
Report No. 50-416/88-07-03
dated May 3, 1988
(MAEC-88/0099)
AECM-88/0113

System Energy Resources, Inc. (SERI) hereby submits response to violation 50-416/88-07-03. SERI's response to violation 50-416/88-07-02 will be submitted under separate cover.

Yours truly,

ODK:bms
Attachment

cc: Mr. T. H. Cloninger (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/o)
Mr. R. C. Butcher (w/a)

Dr. J. Nelson Grace, Regional Administrator (w/a)
U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30323

Mr. L. L. Kintner, Project Manager (w/a)
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop 14B20
Washington, D.C. 20555

VIOLATION 88-07-03 RESPONSE - 1

8806100100 880602
PDR ADOCK 05000416
Q DCD

JACKSON, MISSISSIPPI 39225-3070 | (601) 984-4290
A Middle South Utilities Company

Notice of Violation 88-07-03

10 CFR Part 50, Appendix B, Criterion IV, as implemented by Operational Quality Assurance Manual, MPL-Topical-1, Section 4.5.2.2 states that procedures shall assure that procurement documents issued at all levels of procurement include provisions for the identification of the design basis technical requirements by reference to specific drawings, specifications, codes, regulations, industrial standards and other documentation that describes the items or services to be furnished. Administrative Procedure 01-S-09-1 implements this requirement.

Contrary to the above, a procurement sheet was issued specifying 120 VAC solenoid valves in lieu of 125 VDC solenoid valves as required by design documents. The part was subsequently received and erroneously installed.

I. Admission Or Denial Of The Alleged Violation

System Energy Resources, Inc. (SERI) admits to the alleged violation. This violation had no effect on the health and safety of the public.

II. The Reason For The Violation If Admitted

The failure to procure and install the correct voltage solenoid valves is due to the failure to fully specify the voltage level and type in the procurement process. A contributing factor in this case was the manner in which the solenoid vendor (ASCO) handled voltage level and type information.

Unlike most manufacturers, ASCO does not list a unique model and catalog number for parts of different voltage levels or types. Therefore, to procure an ASCO solenoid valve, the voltage level, type, and the model number must be specified on the procurement document.

The procurement document was completed by the responsible maintenance section requesting only 120 VAC units to replace six (6) discontinued models. However, there are two (2) solenoid valves (SVF515 and SVF516) located on valves E51-F025 and E51-F026 in the Equipment Qualification (EQ) Program which are in 125 VDC circuits. The replacement solenoid valves for F025 and F026 were also procured as 120 VAC units. When the valves arrived at the GGNS warehouse, they were withdrawn using the ASCO model number and subsequently installed on December 12, 1987.

At the time of this violation, Procedure 07-S-01-227 Qualification Data Sheets and Summary Sheets required verification of the installed equipment by model number, but did not require verification of the coil voltage; thus, the two 120 VAC replacement solenoid valves were installed into the system and verified by the model numbers only. This data was recorded on the applicable data sheets without noticing the difference in the coil voltage.

III. The Corrective Actions Which Have Been Taken And The Results Achieved

Upon discovery of this violation, Quality Deficiency Report (QDR) Number 118-88 was initiated. Corrective actions are as follows:

1. Immediate Actions

- a. Maintenance Work Order (MWO) #I-81640 was issued to replace the solenoids on valves E51-F025 and E51-F026 with the required 125 VDC units. The solenoids were replaced in accordance with the MWO.
- b. The warehouse inventory computer system was updated to reflect the voltage level and type as part of the model number for all ASCO solenoid valves in stock. Future ASCO solenoid valves will be stored according to voltage level and type.
- c. Plant Staff personnel reviewed electrical schematic drawings to determine if any other ASCO DC voltage misapplications existed in the plant. The review indicated that the solenoid valves on E51-F025 and E51-F026 were the only two DC voltage units in the EQ program.

2. Future Actions

- a. The Equipment Qualification Data Sheets and Summary Sheets contained in Procedure 07-S-01-227 will be changed to include the voltage level and type as part of the model number for ASCO supplied solenoid valves. These data sheets will require verification that the solenoid with the correct voltage level and type has been installed.
- b. Applicable maintenance personnel will be trained on the disposition and corrective actions delineated in QDR #118-88.

IV. The Corrective Steps Which Will Be Taken To Avoid Further Violation

SERI feels that the corrective actions described in Section III above are adequate to preclude further violation of this nature.

V. Date When Full Compliance Will Be Achieved

1. Full compliance has been achieved for Section III, Item 1.
2. Full compliance will be achieved for Section III, Item 2 by July 1, 1988.