



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

May 21, 1981

Mr. G.L. Madsen, Chief
Reactor Projects Branch
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

KMLNRC 81-080
Ref: NRC Docket No. STN 50-482/Rpt. 81-05

Dear Mr. Madsen:

This letter is written in response to your letter of April 27, 1981, which transmitted Inspection Report STN 50-482/81-05. As requested the deviation is being addressed in three parts:

- a) A description of steps that have been or will be taken to correct it;
- b) A description of steps that have been or will be taken to prevent recurrence; and
- c) The date all corrective actions or preventive measures were or will be completed.

Finding

Paragraph 7.b. The NRC inspector reviewed Bechtel Specification 10466-E-009 for the Class IE 4160 Switchgear during closeout of potential 50.55(e) item in paragraph 3.e of this report. The NRC inspector found that Appendix A of this specification specifies a different color coding for redundant separation groups than that specified in the Final Safety Analysis Report (FSAR).

The Wolf Creek FSAR section 7.1.2.3 identifies the color coding for the separation groups as follows:

Separation Group 1: Red
Separation Group 2: White
Separation Group 3: Blue

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Separation Group 4: Yellow
Nonsafety : Black

Section 7.1.2.3 further states, "Within the control panel, where more than one separation group is present, wiring is identified by separation group "

Section 8.3.1.3 states, "Within control panels where more than one separation group is present, wiring is identified by separation group designation. . . ."

Section 8.3.1.3 further states, "In cases where the majority. . . is primarily one separation group, standard color wire and/or sleeves for the majority separation group is used. The remaining wiring is identified, using the appropriate color."

Bechtel Specification 10466-E-009 Appendix 7, Revision 6, paragraph 5.2.2 states, "Wiring of the various separation groups within the switchgear shall be identified (color-coded) in accordance with the following:

Separation Group 1: Red
Separation Group 2: White
Separation Group 3: Blue
Separation Group 4: Green

Response

- a) The use of green sleeves to mark 10 conductors in cubicle NB0116 (only) was allowed by specification 10466-E-009 so that separation group differences would be readily apparent. The Vendors use of yellow lugs on the predominant separation group prohibited the use of yellow sleeve markers to identify the minority Separation Group cables.

FSAR Section 8.3.1.3 states that "In cases where the majority of the wiring within a cabinet or panel is primarily one separation group, standard color wire and/or sleeves for the majority separation group is used. The remaining wiring is identified, using the appropriate color." In the case of cubicle NB0116 the appropriate color was green as called for in the equipment specifications. Yellow was inappropriate as it would not allow a readily discernible difference between separation group.

- b) An investigation has been made to see if there were other instances where exceptions to the standard cable coloring

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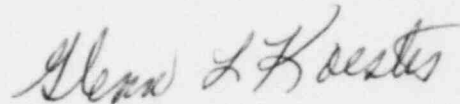
scheme were used in the SNUPPS design and none could be found.

The intent and meaning of the FSAR has been met, however, to avoid misinterpretation of the word "appropriate", paragraph 8.3.1.3 of the FSAR will be modified to read, "The remaining wiring is identified using the appropriate color as defined in applicable specifications or drawings." This FSAR revision was discussed in a meeting with the Power Systems Branch of the office of Nuclear Reactor Regulation on May 14, 1981.

- c) This change to the SNUPPS FSAR will be submitted by July 15, 1981.

Please feel free to contact us if you have any questions concerning this response.

Yours very truly,



GLK:bb

cc: TVandel, Resident NRC Inspector

IN THE MATTER OF)
KANSAS GAS AND ELECTRIC COMPANY) Docket No. 50-482
WOLF CREEK GENERATING STATION UNIT No. 1)

AFFIDAVIT

I, Glenn L. Koester, of lawful age, being duly sworn, hereby depose and state that I am Vice President - Nuclear of Kansas Gas and Electric Company, that I am duly authorized to sign and file with the Nuclear Regulatory Commission the attached response to the deviation which is identified in NRC Inspection Report No. 81-05; that I am familiar with the contents thereof; and that the matters set forth therein are true and correct to the best of my knowledge, information and belief.

KANSAS GAS AND ELECTRIC COMPANY

By Glenn L. Koester
Glenn L. Koester
Vice President - Nuclear

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED that on this 21st day of May, 1981, before me, Richard E. Lewis a Notary, personally appeared Glenn L. Koester, Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, who is personally known to me and who executed the foregoing instrument, and he duly acknowledged the execution of the same for and on behalf of and as the act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 21st day of May, 1981.

Richard E. Lewis

My Commission expires on July 18, 1982.

