

Docket No.: 50-482

November 18, 1986

Mr. Glenn L. Koester
Vice President - Nuclear
Kansas Gas and Electric Company
201 North Market Street
Post Office Box 208
Wichita, Kansas 67201

Dear Mr. Koester:

SUBJECT: WOLF CREEK GENERATING STATION - AMENDMENT NO.5 TO FACILITY
OPERATING LICENSE NPF-42

The Commission has issued the enclosed Amendment No. 5 to Facility Operating License NPF-42 for the Wolf Creek Generating Station. The amendment is in response to your application dated August 25, 1986.

This amendment modifies the Technical Specifications to delete the requirement for periodic functional (resistance) testing of the fuses for the containment penetration conductor overcurrent protection.

Your letter requested the deletion of Table 3.8-1 "Containment Penetration Conductor Overcurrent Protective Devices." The staff is considering the acceptability of this deletion on a generic basis and at this time we are unable to approve the removal for Wolf Creek as a separate issue from our generic review. Therefore, we will defer action on your request for removal of Table 3.8-1 until resolution of the ongoing generic issue is accomplished.

A copy of our related Safety Evaluation is enclosed. Notice of issuance will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

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Paul W. O'Connor, Project Manager
PWR Project Directorate #4
Division of PWR Licensing-A

Enclosures:

1. Amendment No. 5 to License No. NPF-42
2. Safety Evaluation

cc w/enclosures:
See next page

MD
PWR#4/DPWR-A
MDuncan/mac
11/7/86

PWO
PWR#4/DPWR-A
PO'Connor
11/6/86

BJ
PWR#4/DPWR-A
BJYoungblood
11/18/86

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P PDR

Mr. Glenn L. Koester
Kansas Gas and Electric Company

Wolf Creek Generating Station
Unit No. 1

cc:

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November 18, 1986

AMENDMENT NO. 5 TO FACILITY OPERATING LICENSE NPF-42 -
WOLF CREEK GENERATING STATION

DISTRIBUTION: w/enclosures:

Docket No. 50-482

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Local PDR

NSIC

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

KANSAS GAS & ELECTRIC COMPANY

KANSAS CITY POWER AND LIGHT COMPANY

KANSAS ELECTRIC POWER COOPERATIVE, INC.

WOLF CREEK GENERATING STATION

DOCKET NO. 50-482

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 5
License No. NPF-42

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Wolf Creek Generating Station (the facility) Facility Operating License No. NPF-42 filed by Kansas Gas and Electric Company acting for itself and Kansas City Power and Light Company and Kansas Electric Power Cooperative, Inc., (licensees) dated August 25, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility Operating License No. NPF-42 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 5, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into the license. KG&E shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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Paul W. O'Connor, Project Manager
PWR Project Directorate No. 4
Division of PWR Licensing-A

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 18, 1986

PWR#4/DPWR-A
MDuncan/mac
11/6/86

PWO
PWR#4/DPWR-A
PO'Connor
11/6/86

OGC-Beth
M. Katman
11/7/86

BJ Youngblood
PWR#4/DPWR-A
BJYoungblood
11/18/86

ATTACHMENT TO LICENSE AMENDMENT NO. 5

OPERATING LICENSE NO. NPF-42

DOCKET NO. 50-482

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised page is identified by the captioned amendment number and contains marginal lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

AMENDED PAGE

3/4 8-17

OVERLEAF PAGE

3/4 8-18

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- c) For each circuit breaker found inoperable during these functional tests, an additional representative sample of at least 10% of all the circuit breakers of the inoperable type shall also be functionally tested until no more failures are found or all circuit breakers of that type have been functionally tested.
- 2) By selecting and functionally testing a representative sample of at least 10% of each type of lower voltage circuit breakers. Circuit breakers selected for functional testing shall be selected on a rotating basis. Testing of these circuit breakers shall consist of injecting a current in excess of the breakers nominal Setpoint and measuring the response time. The measured response time will be compared to the manufacturer's data to ensure that it is less than or equal to a value specified by the manufacturer. Circuit breakers found inoperable during functional testing shall be restored to OPERABLE status prior to resuming operation. For each circuit breaker found inoperable during these functional tests, an additional representative sample of at least 10% of all the circuit breakers of the inoperable type shall also be functionally tested until no more failures are found or all circuit breakers of that type have been functionally tested.
- b. At least once per 60 months by subjecting each circuit breaker to an inspection and preventive maintenance in accordance with procedures prepared in conjunction with its manufacturer's recommendations.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 5 TO OPERATING LICENSE NO. NPF-42

KANSAS GAS & ELECTRIC COMPANY

KANSAS CITY POWER AND LIGHT COMPANY

KANSAS ELECTRIC POWER COOPERATIVE, INC.

WOLF CREEK GENERATING STATION

DOCKET NO. 50-482

INTRODUCTION

By letter dated August 25, 1986, the Kansas Gas and Electric Company submitted proposed Technical Specification changes for the Wolf Creek Generating Station, Unit 1. The proposed changes would remove Table 3.8-1, "Containment Penetration Conductor Overcurrent Protective Devices" and make documentation changes to those Technical Specifications which reference Table 3.8-1 and to the "Bases" section. The effect of the changes would be to eliminate the periodic resistance measurement tests of the fuses and remove the listing of protective devices from the Technical Specifications and require administrative control of the listing in accordance with sections 50.59 and 50.71 of 10 CFR Part 50.

EVALUATION

Table 3.8-1 presently contains a listing of the containment penetration conductor overcurrent protective devices including the circuit voltages, the primary device number, and the equipment description that is powered by the circuit. Technical Specification 3.8.4.1 under "Limiting Condition for Operation" states: "All containment penetration conductor overcurrent protective devices given in Table 3.8-1 shall be OPERABLE."

Similarly, Technical Specification 4.8.4.1 under "Surveillance Requirements" states: "All containment penetration conductor overcurrent protective devices given in Table 3.8-1 shall be demonstrated OPERABLE."

The licensee proposes to remove the words "given in Table 3.8-1" and replace them with the words "whose circuit limiting fault current exceeds the penetration rating" in each of the two above listed Technical Specifications. Table 3.8-1 would be removed and the following added to the "Bases."

A list of containment penetration conductor overcurrent protective devices whose circuit limiting fault current exceeds the penetration rating, with information on location and size and equipment powered by the protected circuit, shall be available at the plant site.

The addition or deletion of any containment penetration conductor

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overcurrent protective device described in the safety analysis report shall be made in accordance with section 50.59 of 10 CFR Part 50.

A change in a containment penetration conductor overcurrent protective device described in the safety analysis report would require an evaluation of whether the change would involve an unreviewed safety question. If it did, Commission approval would be required. If it did not, Section 50.59 would require the licensee to maintain records of the change including a written safety evaluation providing the bases for the determination that the change did not involve an unreviewed safety question.

The current Westinghouse Standard Technical Specifications (W-STS) contains a table listing the containment penetration conductor overcurrent protective devices. However, the NRC staff is seeking a generic change for removing the containment penetration overcurrent protective devices table from the W-STS and placing it in the plant specific FSAR(s). This action would simplify the W-STS but still require the licensee to perform an evaluation in accordance with 10 CFR 50.59 before making changes to the containment penetration conductor overcurrent protective devices table described in the safety analysis report. Until such a change is approved, requests for removal of the table from the plant specific Technical Specifications are being deferred. Therefore, the NRC staff cannot approve the licensee's request for removal of the containment penetration overcurrent protective devices table at this time.

The licensee also proposed to delete Paragraph 4.8.4.1.a.3 from the Wolf Creek Technical Specifications. This would delete the periodic functional (resistance) testing of the fuses for the containment penetration conductor overcurrent protection. The licensee states that the NRC staff has concluded, through similar Technical Specification changes from other licensees, that the requirement for measuring fuse resistance is technically ineffective and unnecessary. The licensee states that the following factors were used in making this determination:

- 1) Periodic field measurement of fuse resistance does not provide any meaningful assurance on the fault interrupting capability of the fuse.
- 2) Periodic removal of a fuse from its holder for test purposes merely compromises its integrity.
- 3) Operational experience does not indicate that a current limiting fuse ever becomes less protective over its life.

We have reviewed a July 19, 1985, NRC memorandum from R. Bernero to H. Thompson regarding the fuse resistance testing and find that the licensee has correctly characterized the NRC staff position. Therefore, we find the proposed Technical Specification change to be acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change in use of facility components located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (51 FR 33951) on September 24, 1986, and consulted with the state of Kansas. No public comments were received, and the state of Kansas did not have any comments.

We have concluded, based on the considerations discussed above, that:
(1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: Paul W. O'Connor, PAD#4
Argil Toalston, PAEI

Dated: November 18, 1986