

July 7, 1993

Docket No. 50-482

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Mr. Neil S. Carns
 President and Chief Executive Officer
 Wolf Creek Nuclear Operating Corporation
 Post Office Box 411
 Burlington, Kansas 66839

Dear Mr. Withers:

SUBJECT: WOLF CREEK GENERATING STATION - AMENDMENT NO. 64 TO FACILITY
 OPERATING LICENSE NO. NPF-42 (TAC NO. M84945)

The Commission has issued the enclosed Amendment No. 64 to Facility Operating License No. NPF-42 for the Wolf Creek Generating Station. The amendment consists of changes to the Technical Specifications in response to your application dated November 5, 1992.

The amendment modifies Technical Specification 4.2.1.1 associated with monitoring and logging of axial flux difference (AFD). The change eliminates the increased frequency following the restoration of the AFD monitor alarm and the increased monitoring and logging frequency (to once per 30 minutes) associated with the alarm being inoperable for greater than 24 hours.

A copy of our related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

Original Signed By

William D. Reckley, Project Manager
 Project Directorate IV-2
 Division of Reactor Projects III/IV/V
 Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 64 to NPF-42
2. Safety Evaluation

cc w/enclosures:

See next page

CWM #9355

Office	PDIV-2/LA	PDIV-2/PM	SRXB:NRR	OTSB:NRR	OGC	PDIV-2/D
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Date	5/28/93	6/3/93	6/4/93	6/16/93	6/21/93	7/6/93
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Mr. Neil S. Carns

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July 7, 1993

cc w/enclosures:

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

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

DOCKET NO. 50-482

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 64
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 the Wolf Creek Nuclear Operating Corporation (the Corporation), dated November 5, 1992, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations 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;
 - 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; and
 - 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.

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. 64, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated in the license. The Corporation shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. The license amendment is effective as of its date of issuance and is to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Suzanne C. Black, Director
Project Directorate IV-2
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: July 7, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 64

FACILITY OPERATING LICENSE NO. NPF-42

DOCKET NO. 50-482

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

REMOVE

3/4 2-2

INSERT

3/4 2-2

3/4.2 POWER DISTRIBUTION LIMITS

3/4.2.1 AXIAL FLUX DIFFERENCE (AFD)

LIMITING CONDITION FOR OPERATION

3.2.1 The indicated AXIAL FLUX DIFFERENCE (AFD) shall be maintained within the allowed operational space specified in the CORE OPERATING LIMITS REPORT (COLR).

APPLICABILITY: MODE 1 above 50 PERCENT RATED THERMAL POWER*.

ACTION:

- a. With the indicated AFD outside of the limits specified in the COLR,
 1. Either restore the indicated AFD to within the limits specified in the COLR within 15 minutes, or
 2. Reduce THERMAL POWER to less than 50% of RATED THERMAL POWER within 30 minutes and reduce the Power Range Neutron Flux - High Trip Setpoints to less than or equal to 55% of RATED THERMAL POWER within the next 4 hours.
- b. THERMAL POWER shall not be increased above 50% of RATED THERMAL POWER unless the indicated AFD is within the limits specified in the COLR.

*See Special Test Exception 3.10.2.

POWER DISTRIBUTION LIMITS

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENTS

4.2.1.1 The indicated AFD shall be determined to be within its limits during POWER OPERATION above 50% of RATED THERMAL POWER by:

- a. Monitoring the indicated AFD for each OPERABLE excore channel at least once per 7 days when the AFD Monitor Alarm is OPERABLE.
- b. Monitoring and logging the indicated AFD for each OPERABLE excore channel at least once per hour when the AFD Monitor Alarm is inoperable. The logged values of the indicated AFD shall be assumed to exist during the interval preceding each logging.

4.2.1.2 The indicated AFD shall be considered outside of its limits when at least two OPERABLE excore channels are indicating the AFD to be outside the limits.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 64 TO FACILITY OPERATING LICENSE NO. NPF-42
WOLF CREEK NUCLEAR OPERATING CORPORATION
WOLF CREEK GENERATING STATION
DOCKET NO. 50-482

1.0 INTRODUCTION

By application dated November 5, 1992, Wolf Creek Nuclear Operating Corporation (the licensee) requested changes to the Technical Specifications (Appendix A to Facility Operating License No. NPF-42) for the Wolf Creek Generating Station. The proposed amendment modifies Technical Specification 4.2.1.1 associated with monitoring and logging of axial flux difference (AFD). The proposed change eliminates the increased monitoring frequency following the restoration of the AFD monitor alarm and the increased monitoring and logging frequency (to once per 30 minutes) associated with the alarm being inoperable for greater than 24 hours.

2.0 EVALUATION

The licensee states that the existing requirement of Technical Specification (TS) 4.2.1.1.a.2, which requires monitoring the AFD at least once per hour for the first 24 hours after restoring the AFD monitor to operable status, is a vestige of the Constant Axial Offset Control (CAOC) strategy and was intended to accumulate AFD data during the period that the process computer was rebuilding its 24-hour data base. The licensee employs the Relaxed Axial Offset Control (RAOC) methodology which does not include the penalty time concept and therefore does not require the above accumulation of data. The RAOC methodology only requires the verification that the AFD remains within the allowable power/AFD operating space and that appropriate actions are taken, including restoring operation to within the defined power/AFD operating space, if the limits are exceeded. The restoration of the AFD monitor to operable status satisfies the requirement to monitor the existing AFD and ensures, along with other TS requirements, that operation remains within the safety analysis assumptions regarding core power distributions. Declaration of the monitor as operable includes ensuring that it is capable of performing its specified function and therefore continued logging of AFD does not provide any additional benefit. Since the logging of AFD following restoration of the AFD monitor is a vestige of a surveillance strategy no longer employed at the Wolf Creek Generating Station and serves no apparent purpose given the required function of the AFD monitor following its return to operable status, the staff finds the proposed change to be acceptable. It should be noted that this requirement has also been deleted from the Improved Standard Technical Specifications (NUREG-1431, Rev. 0).

The second proposed change made by the licensee involves maintaining the AFD monitoring and logging frequency of once per 60 minutes for the duration of the AFD monitor's inoperability instead of increasing the frequency to once per 30 minutes if the monitor is inoperable for greater than 24 hours. This change is also consistent with the Improved Standard Technical Specifications (NUREG-1431, Rev. 0) in which the staff concluded, based on operating experience regarding the time required to vary AFD and the fact that AFD is closely monitored, that a monitoring frequency of once per hour is adequate for those periods in which the AFD monitor is inoperable. The staff finds the proposed change to TS 4.2.1.1.b to be acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Kansas State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes surveillance requirements. The NRC 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 the amendment involves no significant hazards consideration, and there has been no public comment on such finding (57 FR 61123). Accordingly, the 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 the amendment.

5.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: William D. Reckley, NRR/DRPW

Date: July 7, 1993