

October 10, 1996

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION, SECOND 10-YEAR INTERVAL
INSERVICE INSPECTION PROGRAM PLAN AND ASSOCIATED REQUESTS FOR
RELIEF, WOLF CREEK GENERATING STATION (TAC NO. M93381)

Dear Mr. Carns:

The NRC staff is continuing to review and evaluate the second ten-year interval inservice inspection program plan and associated requests for relief from the ASME Boiler & Pressure Vessel Code, Section XI requirements for the Wolf Creek Generating Station. Additional information is required from Wolf Creek Nuclear Operating Corporation in order for the staff to complete its review.

Enclosed is a list of additional conditions that must be met when implementing the referenced requests for relief. In order to meet the staff's inservice inspection program plan review schedule, it is requested that a response be provided within sixty days of receipt of this letter. In addition, to expedite the review process, please send a copy of the RAI response to NRC's contractor, INEL, at the following address:

Michael T. Anderson
INEL Research Center
2151 North Boulevard
PO Box 1625
Idaho Falls, Idaho 83415-2209

Sincerely,

for James C. Stone, Senior Project Manager
Project Directorate IV-2
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Original Signed By
Kristine M. Thomas

Docket No. 50-482

Enclosure: Request for Additional Information

cc w/encl: See next page

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DATE	10/9/96	10/14/96

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Mr. Neil S. Carns

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cc w/encl:

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Coffey County Courthouse
Burlington, Kansas 66839

Public Health Physicist
Bureau of Air & Radiation
Division of Environment
Kansas Department of Health
and Environment
Forbes Field Building 283
Topeka, Kansas 66620

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION.

DOCKET NO. 50-482

REQUEST FOR ADDITIONAL INFORMATION

SECOND 10-YEAR INTERVAL INSERVICE INSPECTION PROGRAM PLAN

1. Scope/Status of Review

Throughout the service life of a water-cooled nuclear power facility, 10 CFR 50.55a(g)(4) requires that components (including supports) that are classified as American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Class 1, Class 2, and Class 3 meet the requirements, except design and access provisions and preservice examination requirements, set forth in ASME Code Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," to the extent practical within the limitations of design, geometry, and materials of construction of the components. This section of the regulations also requires that inservice examinations of components and system pressure tests conducted during successive 120-month inspection intervals comply with the requirements in the latest edition and addenda of the Code incorporated by reference in 10 CFR 50.55a(b) on the date 12 months prior to the start of a successive 120-month interval, subject to the limitations and modifications listed therein. The components (including supports) may meet requirements set forth in subsequent editions and addenda of the Code that are incorporated by reference in 10 CFR 50.55a(b) subject to the limitations and modifications listed therein and subject to Nuclear Regulatory Commission (NRC) approval. The licensee, Wolf Creek Nuclear Operating Corporation (WCNOC), has prepared the *Wolf Creek Generating Station, Second 10-Year Interval Inservice Inspection Program Plan* to meet the requirements of the 1989 Edition of Section XI of the ASME Code. As required by 10 CFR 50.55(g)(5), if the licensee determines that certain Code examination requirements are impractical and requests relief, the licensee shall submit information to the NRC to support that determination.

The staff has reviewed the available information in the *Wolf Creek Generating Station, Second 10-Year Interval Inservice Inspection Program Plan*, submitted August 30, 1995, including the requests for relief from the ASME Code Section XI requirements that the licensee has determined to be impractical. As a result of this review, a request for additional information (RAI) was prepared describing the information and/or clarification required from the licensee in order to complete the review. The licensee provided the requested information in a submittal dated May 3, 1996. After review of this information, it was determined that further clarification is required to complete the review of the second ten-year program plan.

2. Additional Information Required

Based on the above review, the staff has concluded that, in order to authorize the licensee's alternative to the Code requirements, incorporation of the following conditions into the applicable request for relief is necessary. WCNOG is requested to confirm that the conditions stated below will be incorporated into the second ten year ISI program for the referenced relief requests.

- A. Request for Relief I2R-01, IWA-5242(a), System Pressure Tests for Insulated Components:
 - (1) The licensee performs a VT-2 visual examination of bolted connections, without removing the insulation, after satisfying the requirements of IWA-5213, *Test Condition Holding Time*.
 - (2) The licensee shall remove all insulation at bolted connections in borated systems during each refueling outage and perform a VT-2 visual examination; the connection is not required to be pressurized. Any evidence of leakage shall be evaluated in accordance with IWA-5250.
- B. Request for Relief I2R-02, IWA-5250(a)(2), System Pressure Test Corrective Measures:
 - (1) If the initial evaluation indicates the need for a more in-depth evaluation, the bolt closest to the source of leakage shall be removed, VT-1 examined, and evaluated in accordance with IWA-3100(a).
- C. Request for Relief I2R-12, Examination Categories C-F-1 and C-F-2, Items C5.12, C5.22, C5.42, C5.52, C5.62, and C5.82, Class 2 Longitudinal Piping Welds:
 - (1) For ferritic welds, scanning for reflectors transverse to the weld shall be performed.
 - (2) Where the longitudinal weld cannot be identified, 100% of the circumferential weld shall be examined for flaws parallel and transverse to the weld to ensure that the longitudinal/circumferential weld intersection is examined.
- D. Request for Relief I2R-13, Table IWC-5250-1, Examination Category C-H, Items C7.30, C7.40, C7.70, and C7.80, Pressure Testing of Class 2 Components at Containment Penetrations:
 - (1) The Appendix J, Type C test will be conducted at the peak calculated containment pressure.

- (2) Where air or gas is used as a testing medium, the test procedure shall include methods for detection and location of through-wall leaks in system components.