

April 22, 1999

Mr. Otto L. Maynard  
President and Chief Executive Officer  
Wolf Creek Nuclear Operating Corporation  
Post Office Box 411  
Burlington, Kansas 66839

SUBJECT: ISSUANCE OF ENVIRONMENTAL ASSESSMENT FOR THE WOLF CREEK  
GENERATING STATION, UNIT 1 (TAC NO. MA4955)

Dear Mr. Maynard:

Enclosed is a copy of the Environmental Assessment and Finding of No Significant Impact related to your application for exemption dated December 29, 1998. The proposed exemption would allow the use of ASME Code Case N-514 as an alternative to the ASME Code requirements for reactor vessel pressure limits at low temperatures.

The assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,  
Original Signed By

Kristine M. Thomas, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-482

Enclosure: Environmental Assessment

cc w/encl: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script that reads "Kristine M. Thomas".

Kristine M. Thomas, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-482

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Mr. Otto L. Maynard

- 2 -

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cc w/encl:

Jay Silberg, Esq.  
Shaw, Pittman, Potts & Trowbridge  
2300 N Street, NW  
Washington, D.C. 20037

Chief Operating Officer  
Wolf Creek Nuclear Operating Corporation  
P. O. Box 411  
Burlington, Kansas 66839

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

Supervisor Licensing  
Wolf Creek Nuclear Operating Corporation  
P.O. Box 411  
Burlington, Kansas 66839

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P. O. Box 311  
Burlington, Kansas 66839

U.S. Nuclear Regulatory Commission  
Resident Inspectors Office  
8201 NRC Road  
Steedman, Missouri 65077-1032

Chief Engineer  
Utilities Division  
Kansas Corporation Commission  
1500 SW Arrowhead Road  
Topeka, Kansas 66604-4027

Mr. Gene Gunn (5)  
Environmental Review Coordinator  
726 Minnesota Avenue  
Kansas City, Kansas 66101

Office of the Governor  
State of Kansas  
Topeka, Kansas 66612

Attorney General  
Judicial Center  
301 S.W. 10th  
2nd Floor  
Topeka, Kansas 66612

County Clerk  
Coffey County Courthouse  
Burlington, Kansas 66839

Vick L. Cooper, Chief  
Radiation Control Program  
Kansas Department of Health  
and Environment  
Bureau of Air and Radiation  
Forbes Field Building 283  
Topeka, Kansas 66620

UNITED STATES NUCLEAR REGULATORY COMMISSION

WOLF CREEK NUCLEAR OPERATING CORPORATION

DOCKET NO. 50-482

WOLF CREEK GENERATING STATION

ENVIRONMENTAL ASSESSMENT AND FINDING OF

NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption to Facility Operating License No. NPF-42, issued to Wolf Creek Nuclear Operating Corporation (WCNOC), for operation of the Wolf Creek Generating Station, located in Coffey County, Kansas.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

The proposed action would exempt WCNOC from certain requirements of 10 CFR 50.60 and 10 CFR Part 50, Appendix G. The proposed exemption would allow WCNOC to apply American Society for Mechanical Engineers (ASME) Code Case N-514 for determining Wolf Creek Generating Station's cold overpressurization mitigation system (COMS) pressure setpoint.

The proposed action is in accordance with the licensee's application for exemption dated December 29, 1998.

**The Need for the Proposed Action:**

The proposed exemption is needed to support an amendment to the Wolf Creek Technical Specifications which will revise the heatup, cooldown and COMS curves. The use of ASME Code Case N-514 would allow an increased operating band for system makeup and pressure control to allow operational flexibility.

**Environmental Impacts of the Proposed Action:**

The Commission has completed its evaluation of the proposed action and concludes that application of Code Case N-514 represents a special circumstance in accordance with 10 CFR 50.12(a)(2)(ii) on specific exemptions, such that the specific requirements of 10 CFR 50.60 and Appendix G are "...not necessary to achieve the underlying purpose of the rule," which in this case is to protect the reactor vessel from brittle fracture.

The proposed action will not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released off site, and there is no significant increase in occupational or public radiation exposure. Therefore, there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential non-radiological impacts, the proposed action does not involve any historic sites. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, there are no significant non-radiological environmental impacts associated with the proposed action.

Accordingly, the Commission concludes that there are no significant environmental impacts associated with the proposed action.

Alternatives to the Proposed Action:

As an alternative to the proposed action, the staff considered denial of the proposed action (i.e., the "no-action" alternative). Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are similar.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Wolf Creek Generating Station dated June 1982.

Agencies and Persons Consulted:

In accordance with its stated policy, on March 5, 1999, the staff consulted with the Kansas State official, Mr. Vick Cooper, of the Kansas Department of Health and Environment, regarding the environmental impact of the proposed action. The State official had no comments.

FINDING OF NO SIGNIFICANT IMPACT

On the basis of the environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated December 29, 1998, which is available for public inspection at the Commission's Public Document Room, The Gelman Building, 2120 L Street, NW., Washington, DC, and at the local

public document room located at the Emporia State University, William Allen White Library, 1200 Commercial Street, Emporia, Kansas 66801 and Washburn University School of Law Library, Topeka, Kansas 66621.

Dated at Rockville, Maryland, this 22nd day of April 1999.

FOR THE NUCLEAR REGULATORY COMMISSION

*Kristine M. Thomas*

Kristine M. Thomas, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation