



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 30, 2014

Mr. Adam C. Heflin
President, Chief Executive Officer,
and Chief Nuclear Officer
Wolf Creek Nuclear Operating Corporation
Post Office Box 411
Burlington, KS 66839

SUBJECT: WOLF CREEK GENERATING STATION – REQUEST FOR ADDITIONAL
INFORMATION RE: TRANSITION TO WESTINGHOUSE CORE DESIGN AND
SAFETY ANALYSIS (TAC NO. MF2574)

Dear Mr. Heflin:

By application dated August 13, 2013, to the U.S. Nuclear Regulatory Commission (NRC) (Agencywide Documents Access and Management System (ADAMS) package Accession No. ML13247A075), Wolf Creek Nuclear Operating Corporation (the licensee) requested a license amendment for Wolf Creek Generating Station, to revise the Technical Specifications to support transition to the Westinghouse core design and safety analysis.

The NRC staff has reviewed the information provided in your application and determined that additional information is required in order to complete its review. The enclosed questions were provided to Mr. S. Wideman of your staff on April 18, 2014. Please provide a response to the questions within 90 days of the date of this letter.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of NRC staff resources. If circumstances result in the need to revise the requested response date, please contact me at 301-415-2296 or via e-mail at Fred.Lyon@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "CF Lyon", is placed below the word "Sincerely,".

Carl F. Lyon, Project Manager
Plant Licensing Branch IV-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-482

Enclosure
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

TRANSITION TO WESTINGHOUSE CORE DESIGN AND SAFETY ANALYSIS

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

DOCKET NO. 50-482

By application dated August 13, 2013, to the U.S. Nuclear Regulatory Commission (NRC) (Agencywide Documents Access and Management System (ADAMS) package Accession No. ML13247A075), Wolf Creek Nuclear Operating Corporation (WCNOC, the licensee) requested a license amendment for Wolf Creek Generating Station (WCGS), to revise the Technical Specifications (TSs) to support transition to the Westinghouse core design and safety analysis. The proposed amendment would revise the WCGS Operating License by incorporating a full scope implementation of the Alternative Source Term (AST) radiological analysis in accordance with Title 10 of the *Code of Federal Regulations*, Section 50.67 (10 CFR 50.67), "Accident Source Term," revising TS definitions and adopting Technical Specification Task Force Traveler 51 (TSTF-51), Revision 2, "Revise Containment Requirements during Handling Irradiated Fuel and Core Alterations," dated November 1, 1999 (ADAMS Accession No. ML993190284).

Based on its review, the NRC staff requests the following additional information to complete its safety evaluation of the application.

SRXB-RAI-1

In the Summary of Analysis Codes Utilized in Postulated Accident Analyses, there are two Non-Loss-of-Coolant Accident (LOCA) Safety Analysis Codes listed for the Uncontrolled Rod Cluster Control Assembly Bank Withdrawal at Power, RETRAN, and LOFTRAN. Please provide the information that is obtained from each code and used as the basis for the updated analysis.

Enclosure

April 30, 2014

Mr. Adam C. Heflin
President, Chief Executive Officer,
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Wolf Creek Nuclear Operating Corporation
Post Office Box 411
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/RA/

Carl F. Lyon, Project Manager
Plant Licensing Branch IV-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-482

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Request for Additional Information

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DISTRIBUTION:

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DWoodyatt, NRR/DSS/SRXB

ADAMS Accession No.: ML14111A100

***memo**

OFFICE	NRR/DORL/LPL4-1/PM	NRR/DORL/LPL4-1/LA	NRR/DSS/SRXB/BC*	NRR/DORL/LPL4-1/BC	NRR/DORL/LPL4-1/PM
NAME	FLyon	JBurkhardt	CJackson	MMarkley	FLyon
DATE	4/29/14	4/29/14	4/2/14	4/30/14	4/30/14

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