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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 EAST LAMAR BLVD  
ARLINGTON, TEXAS 76011-4511

March 8, 2013

ML13067A336

Matthew W. Sunseri, President and  
Chief Executive Officer  
Wolf Creek Nuclear Operating Corporation  
P.O. Box 411  
Burlington, KS 66839

SUBJECT: WOLF CREEK GENERATING STATION – NRC MATERIAL CONTROL AND  
ACCOUNTING PROGRAM INSPECTION REPORT 05000482/2010405

Dear Mr. Sunseri:

On February 7, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of a security baseline inspection at your Wolf Creek Generating Station. The inspection covered a key attribute of the Security Cornerstone of the NRC's Reactor Oversight Process, Material Control and Accounting of Special Nuclear Material (MC&A-SNM). The enclosed inspection report documents the inspection results which were discussed on February 7, 2013, with you and members of your staff.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

This inspection report documents one NRC-identified violation of very low safety significance (i.e., Green as determined by the Physical Protection Significance Determination Process). The deficiency was promptly corrected in the plant in order to restore compliance with applicable MC&A-SNM requirements before the inspectors left the site, and this matter was entered into the corrective action program to revise MC&A-SNM procedures to comply with NRC requirements.

In addition, this violation had a cross-cutting aspect in the area Human Performance associated with decision making and conservative assumptions. Wolf Creek Generating Station, Unit 1, did not verify the validity of the underlying assumptions when they implemented procedures that were contrary to NRC requirements without obtaining a written exception to NRC regulations (H.1.b). However, because this violation was of very low safety significance and was entered

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M. Sunseri

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into your corrective action program, the NRC is treating this as a non-cited violation consistent with Section 2.3.2 of the NRC Enforcement Policy. If you contest this non-cited violation or its significance, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington D.C. 20555-0001; with copies to the Regional Administrator, U.S. Nuclear Regulatory Commission Region IV, 1600 E. Lamar Blvd, Arlington, Texas 76011-4511; the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, D. C. 20555-001; and the NRC Resident Inspector at the Wolf Creek Nuclear Generating Station. In addition, if you disagree with the characterization of any violation in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the Regional Administrator, Region IV, and the NRC Resident Inspector at the Wolf Creek Nuclear Generating Station. The information you provide will be considered in accordance with Inspection Manual Chapter 0305.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system, (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the security-related concerns contained in the enclosure, and in accordance with 10 CFR 2.390, a copy of this letter's enclosure will not be available for public inspection.

In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response, if any. This practice will ensure that your response will not be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system, ADAMS. If Safeguards Information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21. Otherwise, mark your entire response "Security-Related Information-Withhold Under 10 CFR 2.390" and follow the instructions for withholding in 10 CFR 2.390(b)(1).

Sincerely,

/RA/

James F. Drake, Chief  
Plant Support Branch 2  
Division of Reactor Safety

Docket Nos.: 50-482  
License Nos.: NPF-42

Nonpublic Enclosure:  
NRC Inspection Report 05000482/2013405  
w/Attachment: Supplemental Information

cc w/o enclosure: Electronic Distribution for Wolf Creek Generating Station

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