



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005

March 2, 2006

Rick A. Muench, President and  
Chief Executive Officer  
Wolf Creek Nuclear Operating Corporation  
P.O. Box 411  
Burlington, KS 66839

SUBJECT: ANNUAL ASSESSMENT LETTER - WOLF CREEK GENERATING STATION  
(NRC INSPECTION REPORT 05000482/2006001)

Dear Mr. Muench:

On February 7, 2006, the NRC staff completed its performance review of Wolf Creek Generating Station. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the physical protection review and resultant inspection plan.

Overall, Wolf Creek Generating Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green).

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through September 30, 2007. Routine resident inspections are not listed due to their ongoing and continuous nature. In addition to the baseline inspections, the NRC will also be conducting inspections related to Temporary Instruction 2515/150, "Reactor Pressure Vessel Head Penetration Nozzles" (NRC Order EA-03-009). The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the midcycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8141 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

William B Jones, Chief  
Project Branch B  
Division of Reactor Projects

Docket: 50-482  
License: NPF-42

Enclosure:  
Wolf Creek Inspection/Activity Plan

cc w/enclosure:  
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Wolf Creek Nuclear Operating Corporation - 4 -

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**RidsNrrDirslpab**

SUNSI Review Completed:  wbj\_\_\_ADAMS:  Yes  No Initials:  wbj\_\_\_  
 Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

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RIV:C:DRP/B	D:DRS	D:DRP	Signature	
WBJones;df	DDChamberlain	ATHowell III	WBJones	
<b>/RA/</b>	<b>RJCaniano for</b>	<b>/RA/</b>	<b>/RA/</b>	
2/22/06	2/23/06	2/23/06	2/24/06	

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**Wolf Creek**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>OB-INIT - INITIAL EXAM</b>		<b>4</b>			
1	X02293	WOLF CREEK INITIAL EXAM (03/06)		03/06/2006	03/10/2006	Not Applicable
	<b>EB1-2/17 - 50.59 &amp; PERMANENT PLANT MODS</b>		<b>3</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		03/27/2006	03/31/2006	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		03/27/2006	03/31/2006	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/19/2006	06/23/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/19/2006	06/23/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/19/2006	06/23/2006	Baseline Inspections
	<b>RP TEAM - RADIATION PROTECTION TEAM INSPECTION</b>		<b>5</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		08/14/2006	08/18/2006	Baseline Inspections
	<b>OB-RQ - REQUALIFICATION</b>		<b>4</b>			
1	IP 7111111B	Licensed Operator Requalification Program		08/26/2006	08/30/2006	Baseline Inspections
	<b>TI-150 - RPV &amp; VHP NOZZLES EA-03-009</b>		<b>2</b>			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03		09/22/2006	10/22/2006	Safety Issues
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/25/2006	09/29/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/25/2006	09/29/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/25/2006	09/29/2006	Baseline Inspections
	<b>EB1-08P - ISI</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/09/2006	10/20/2006	Baseline Inspections
	<b>EP2 - EMERG PREPAREDNESS PROGRAM INSPECTION</b>		<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		11/27/2006	12/01/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		11/27/2006	12/01/2006	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/27/2006	12/01/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		11/27/2006	12/01/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/27/2006	12/01/2006	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/26/2007	03/30/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/26/2007	03/30/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/26/2007	03/30/2007	Baseline Inspections

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Wolf Creek**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/21/2007	05/25/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/21/2007	05/25/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		05/21/2007	05/25/2007	Baseline Inspections
	<b>EB1-21 - CDB</b>		<b>7</b>			
1	IP 7111121	Component Design Bases Inspection		06/25/2007	06/29/2007	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		07/09/2007	07/20/2007	Baseline Inspections
	<b>EB2-12B - MAINTENANCE RULE INSPECTION</b>		<b>2</b>			
1	IP 7111112B	Maintenance Effectiveness		07/16/2007	07/20/2007	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/13/2007	08/17/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/13/2007	08/17/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/13/2007	08/17/2007	Baseline Inspections
	<b>EB2-07T - HEAT SINK INSPECTION</b>		<b>1</b>			
1	IP 7111107B	Heat Sink Performance		09/24/2007	10/05/2007	Baseline Inspections