



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

March 4, 2013

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING
STATION (REPORT 05000482/2012801)

Dear Mr. Sunseri:

On February 12, 2013, the NRC completed its end-of-cycle performance review of Wolf Creek Generating Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2013. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined the performance at Wolf Creek Generating Station during the most recent quarter was within the Degraded Cornerstone Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because there is one Yellow inspection finding in the Mitigating Systems Cornerstone and one White performance indicator in the Mitigating Systems Cornerstone. The Yellow finding involved your staff's failure to provide adequate oversight of contractors while they performed work on the startup transformer in April 2011. As a result, your staff failed to identify that electrical maintenance contractors had not installed insulating sleeves on wires that affected the differential current protection circuit, contrary to work order instructions. This allowed an electrical short to prevent transfer of power to the startup transformer during a plant trip on January 13, 2012, resulting in a prolonged loss of offsite power. Additionally, the performance indicator for Mitigating Systems Performance Index – Emergency AC System has been reported as White since the first quarter of 2012.

On February 19, 2013, your staff notified the NRC of your readiness for a supplemental inspection to review the actions taken to address the performance issues associated with the White performance indicator (ADAMS ML13051A840). Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," beginning on March 4, 2013. The objectives of this inspection are to determine whether or not the root causes and contributing causes of risk-significant performance issues are understood; to determine whether or not the extent of condition and extent of cause of risk-significant performance issues are identified; and to determine whether or not the corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence.

The NRC also plans to conduct a supplemental inspection to review the actions taken to address the performance issues associated with the Yellow finding using Inspection Procedure

95002, "Supplemental Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area." The NRC will plan this inspection activity when you provide written notification of your readiness for the inspection.

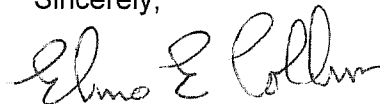
In its assessment letter dated September 4, 2012 (ML12248A407), the NRC outlined the continued existence of substantive cross-cutting issues in the areas of problem identification and resolution and human performance associated with themes in the aspects of: (1) thoroughness of evaluating problems such that resolutions address causes and extent of condition [P.1(c)]; (2) appropriateness and timeliness of corrective actions [P.1(d)]; (3) use of conservative assumptions in decision-making [H.1(b)]; and (4) completeness and accuracy of design documentation, procedures, and work packages [H.2(c)]. We also stated that we would conduct an additional inspection to evaluate the effectiveness of your performance improvement efforts related to these substantive cross-cutting issues. You have not yet informed us of your readiness for NRC inspection of your actions to address these long standing issues. As a result, these substantive cross-cutting issues remain open. We intend to conduct an inspection of these substantive cross-cutting issues during the Inspection Procedure 95002 supplemental inspection. Through our baseline inspection efforts, a public meeting with NRC management on December 10, 2012, and through communications with station management, we have kept abreast of your most recent efforts to improve performance in these areas.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-public available correspondence.

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 (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.htm> (the Public Electronic Reading Room).

Please contact Neil O'Keefe at 817-200-1141 with any questions you may have regarding this letter.

Sincerely,



Elmo E. Collins,
Regional Administrator

Docket No. 50-482
License No. NPF-42

Enclosure:
Wolf Creek Generating Station Inspection/Activity Plan

Wolf Creek
 Inspection / Activity Plan
 03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	01/01/2013	06/30/2013	2515/182 IP 2515/182	- UNDERGROUND PIPING PHASE 1 Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	2
1	01/01/2013	12/31/2013	2515/187 IP 2515/187	- FLOODING WALKDOWNS Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	2
1	01/01/2013	12/31/2013	2515/188 IP 2515/188	- SEISMIC WALKDOWNS Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	2
1	02/18/2013	03/30/2013	WC95001 IP 95001	- WC 95001 EMERG AC PI Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	1
1	05/13/2013	06/28/2013	WC 95002 IP 95002	- WC 95002 Supplemental Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Perform	4
1	06/17/2013	06/21/2013	EXAM X02510	- INITIAL LICENSED OPERATOR EXAM INITIAL EXAM- WC (07/2013)	4
1	07/22/2013	07/26/2013	X02510	INITIAL EXAM- WC (07/2013)	4
1	05/20/2013	05/24/2013	PSB2-RP IP 71124.02	- RADIATION SAFETY Occupational ALARA Planning and Controls	2
1	05/20/2013	05/24/2013	IP 71124.04	Occupational Dose Assessment	7
1	08/05/2013	08/30/2013	EB1-21 IP 7111121	- COMPONENT DESIGN BASIS INSPECTION Component Design Bases Inspection	1
1	10/28/2013	11/01/2013	EB1-07T IP 7111107T	- TRIENNIAL HEAT SINK INSPECTION Heat Sink Performance	1
1	11/04/2013	11/08/2013	EP-3 IP 71151-EP01	- EP PERFORMANCE INDICATORS Drill/Exercise Performance	1
1	11/04/2013	11/08/2013	IP 71151-EP02	ERO Drill Participation	4
1	11/04/2013	11/08/2013	IP 71151-EP03	Alert & Notification System	2
1	11/04/2013	11/08/2013	EP1 IP 7111401	- BIENNIAL EXERCISE INSPECTION Exercise Evaluation	4
1	02/24/2014	02/28/2014	RS12 IP 71124.01	- RADIATION SAFETY Radiological Hazard Assessment and Exposure Controls	2
1	02/24/2014	02/28/2014	IP 71124.02	Occupational ALARA Planning and Controls	2
1	02/24/2014	02/28/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	4
1	02/24/2014	02/28/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	4
1	04/28/2014	05/02/2014	TSB 52B IP 71152B	- BIENNIAL P&R Problem Identification and Resolution	4
1	05/12/2014	05/16/2014	IP 71152B	Problem Identification and Resolution	4

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

Wolf Creek

Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
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RS 5678 - RADIATION SAFETY - TEAM

1	06/02/2014	06/06/2014	IP 71124.05	Radiation Monitoring Instrumentation	4
1	06/02/2014	06/06/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	06/02/2014	06/06/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1	06/02/2014	06/06/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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