



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

March 1, 2017

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING
STATION (REPORT 05000482/2016006)**

Dear Mr. Heflin:

On February 16, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance assessment of Wolf Creek Generating Station, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2016, through December 31, 2016. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Wolf Creek Generating Station during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

Although plant performance was within the Licensee Response Column, the NRC has not yet finalized the significance of one or more findings in the Security cornerstone. The final safety significance determination(s) may affect the NRC's assessment of plant performance and the enclosed inspection plan.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. 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 the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence. On June 30, 2016, the NRC completed a Problem Identification and Resolution inspection at Wolf Creek Generating Station, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16222A733), which identified safety conscious work environment challenges in the Security Department. This inspection plan includes an in-depth problem identification and resolution

sample that the NRC plans to perform during the week of August 28, 2017, to assess the Security Department's progress in improving the safety conscious work environment.

In accordance with Title 10 of the *Code of Federal Regulations* (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.html> (the Public Electronic Reading Room).

Please contact me at 817-200-1141 with any questions you have regarding this letter.

Sincerely,

/RA/

Nicholas H. Taylor, Chief
Projects Branch B
Division of Reactor Projects

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

Enclosure:
Wolf Creek Generating Station
Inspection/Activity Plan

ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING STATION (REPORT 05000482/2016006) - DATED MARCH 1, 2017

DISTRIBUTION:

Regional Administrator (Kriss.Kennedy@nrc.gov)
 Deputy Regional Administrator (Scott.Morris@nrc.gov)
 DRP Director (Troy.Pruett@nrc.gov)
 DRP Deputy Director (Ryan.Lantz@nrc.gov)
 DRS Director (Anton.Vegel@nrc.gov)
 DRS Deputy Director (Jeff.Clark@nrc.gov)
 Senior Resident Inspector (Douglas.Dodson@nrc.gov)
 Resident Inspector (Fabian.Thomas@nrc.gov)
 WC Administrative Assistant (Susan.Galemore@nrc.gov)
 Branch Chief, DRP/B (Nick.Taylor@nrc.gov)
 Senior Project Engineer, DRP/B (David.Proulx@nrc.gov)
 Project Engineer, DRP/B (Steven.Janicki@nrc.gov)
 Project Engineer, DRP/B (Jim.Melfi@nrc.gov)
 Public Affairs Officer (Victor.Dricks@nrc.gov)
 Project Manager (Balwant.Singal@nrc.gov)
 Team Leader, DRS/IPAT (Thomas.Hipschman@nrc.gov)
 Project Engineer, DRS/IPAT (Eduardo.Uribe@nrc.gov)
 RITS Coordinator (Marisa.Herrera@nrc.gov)
 ACES (R4Enforcement.Resource@nrc.gov)
 Regional Counsel (Karla.Fuller@nrc.gov)
 Senior Congressional Affairs Officer (Jenny.Weil@nrc.gov)
 RIV Congressional Affairs Officer (Angel.Moreno@nrc.gov)
 RIV/ETA: OEDO (Jeremy.Bowen@nrc.gov)
 RIV RSLO (Bill.Maier@nrc.gov)
 Director, DIRS, NRR (Chris.Miller@nrc.gov)
 Deputy Director, DIRS, NRR (Michael.King2@nrc.gov)
 Director, DORL, NRR (Anne.Boland@nrc.gov)
 Deputy Director, DORL, NRR (Kathryn.Brock@nrc.gov)
 Director, NSIR (Brian.Holian@nrc.gov)
 Director, DPR, NSIR (Marissa.Bailey@nrc.gov)
 DRP Branch Chiefs (R4DRP-BC@nrc.gov)
 DRS Branch Chiefs (R4DRS-BC@nrc.gov)
 ROPreports.Resource@nrc.gov
 ROPassessment.Resource@nrc.gov

ADAMS ACCESSION NUMBER: ML17059D426

☒ SUNSI Review: ADAMS: ☐ Non-Publicly Available ☒ Non-Sensitive Keyword:
 By: NTaylor/dll ☒ Yes ☐ No ☒ Publicly Available ☐ Sensitive NRC-002

OFFICE	RIV/DRP:C	DRS:D	DRP:DD			
NAME	NTaylor	AVegel	RLantz			
SIGNATURE	/RA/	/RA/	/RA/			
DATE	2/23/17	2/23/17	2/23/17			

OFFICIAL RECORD COPY

Wolf Creek
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			INIT EXA - INITIAL EXAM		5
1	10/16/2017	10/20/2017	X02597	INITIAL EXAM WOLF CREEK (11/2017)	
1	11/06/2017	11/10/2017	X02597	INITIAL EXAM WOLF CREEK (11/2017)	
			EB1-21N - WC DESIGN BASIS INSPECTION PROGRAMS		4
1	05/08/2017	05/26/2017	IP 7111121N	Component Design Bases Inspection (Programs)	
			RS 13 PI - RADIATION SAFETY		2
1	05/08/2017	05/12/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/08/2017	05/12/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/08/2017	05/12/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	05/08/2017	05/12/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			RS 24 - RADIATION SAFETY		2
1	06/12/2017	06/16/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/12/2017	06/16/2017	IP 71124.04	Occupational Dose Assessment	
			EB2-05T - TRIENNIAL FIRE PROTECTION INSPECTION		4
1	10/02/2017	10/06/2017	IP 7111105T	Fire Protection [Triennial]	
1	10/16/2017	10/20/2017	IP 7111105T	Fire Protection [Triennial]	
			EP-2 - BIENNIAL EP EXERCISE INSPECTION		4
1	11/13/2017	11/17/2017	IP 7111401	Exercise Evaluation	
1	11/13/2017	11/17/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			EP-3 - EP PERFORMANCE INDICATOR VERIFICATION		1
1	11/13/2017	11/17/2017	IP 71151-EP01	Drill/Exercise Performance	
1	11/13/2017	11/17/2017	IP 71151-EP02	ERO Readiness	
1	11/13/2017	11/17/2017	IP 71151-EP03	Alert & Notification System Reliability	
			RS 12PI - RAD SAFETY		2
1	04/02/2018	04/06/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/02/2018	04/06/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/02/2018	04/06/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/02/2018	04/06/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			7111108 - INSERVICE INSPECTION		1
1	04/02/2018	04/13/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			INSP - BRQ INSPECTION		3
1	06/04/2018	06/08/2018	IP 7111111B	Licensed Operator Requalification Program	

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

Wolf Creek
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
EB1-21M - WC DESIGN BASES INSPECTION TEAMS					1
1	07/16/2018	08/03/2018	IP 7111121M	Component Design Bases Inspection (Teams)	
RS 5678 - RAD SAFETY					4
1	08/20/2018	08/24/2018	IP 71124.05	Radiation Monitoring Instrumentation	
1	08/20/2018	08/24/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/20/2018	08/24/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1	08/20/2018	08/24/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
EP-1 - EP PROGRAM INSPECTION					1
1	09/17/2018	09/21/2018	IP 7111402	Alert and Notification System Testing	
1	09/17/2018	09/21/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	09/17/2018	09/21/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	09/17/2018	09/21/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	09/17/2018	09/21/2018	IP 71151-EP01	Drill/Exercise Performance	
1	09/17/2018	09/21/2018	IP 71151-EP02	ERO Readiness	
1	09/17/2018	09/21/2018	IP 71151-EP03	Alert & Notification System Reliability	

Comments: