



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

March 1, 2018

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 05000482/2017006)

Dear Mr. Heflin:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Wolf Creek Generating Station, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017, through December 31, 2017. 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 of Wolf Creek Generating Station during the most recent quarter was within the Regulatory Response Column, the second highest performance column of the NRC's Reactor Oversight Process (ROP) Action Matrix. This conclusion was based on one or more Greater-than-Green inspection findings (or PIs) in the Security cornerstone originating in the last quarter of 2017. Wolf Creek Generating Station moved to the Regulatory Response Column on December 20, 2017.

Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs." The objective of this supplemental inspection will be to (1) assure that the root causes and contributing causes of significant performance issues are understood; (2) independently assess and assure that the extent of condition and extent of cause of significant performance issues are identified; (3) assure that corrective actions taken to address and preclude repetition of significant performance issues are prompt and effective; and (4) assure that corrective plans direct prompt actions to effectively address and preclude repetition of significant performance issues. This inspection will be scheduled after you notify the NRC of your readiness.

The NRC identified a cross-cutting theme in the safety conscious work environment (SCWE) area. Specifically, the NRC identified a finding with a documented cross-cutting aspect related to the inconsistent implementation of SCWE policy (S.1) that was not isolated, as discussed in NRC Inspection Report 05000482/2017004 (Agencywide Documents Access and Management System (ADAMS) ML18043A114), dated February 12, 2018. The NRC determined that the impact on SCWE was not isolated because of concerns raised in other work groups, including

the security department and maintenance support group, as discussed in NRC Inspection Report 05000482/2016009 (ADAMS ML16222A733), dated August 9, 2016, and NRC Inspection Report 05000482/2017003 (ADAMS ML17311B223), dated November 7, 2017, respectively. The NRC will continue to monitor your staff's effort and progress in determining the cause and implementing corrective actions for this theme.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections, which were formerly transmitted under separate correspondence. 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.

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 the 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 Nicholas Taylor at (817) 200-1141 with any questions you have regarding this letter.

Sincerely,

/RA/

Troy W. Pruett, Director
Division of Reactor Projects

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

Enclosure:
Wolf Creek Inspection Plan

IP 22 Inspection Activity Plan Report

Wolf Creek

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
MITIGATING STRATEGIES/SFP INST FOR BDBEE						4
1	01/22/2018	01/26/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
RAD SAFETY RFO 1,2						2
1	04/09/2018	04/13/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/09/2018	04/13/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/09/2018	04/13/2018	IP 71151	000746	Performance Indicator Verification	
INSERVICE INSPECTION						1
1	04/16/2018	04/27/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
BRQ						2
1	06/03/2018	06/09/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
BIENNIAL PI&R INSPECTION						4
1	06/11/2018	06/15/2018	IP 71152B	000747	Problem Identification and Resolution	
1	06/25/2018	06/29/2018	IP 71152B	000747	Problem Identification and Resolution	
FORCE-ON-FORCE PLANNING & EXERCISE WEEK						7
1	06/18/2018	06/22/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	07/09/2018	07/13/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
WC DESIGN BASES ASSURANCE TEAMS						7
1	07/16/2018	08/03/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
RAD SAFETY TEAM 5,6,7,8						4
1	08/20/2018	08/24/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	08/20/2018	08/24/2018	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/20/2018	08/24/2018	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	08/20/2018	08/24/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
SECURITY SOLO INSPECTION						1
1	09/10/2018	09/14/2018	IP 71130.02	000734	Access Control	

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

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Wolf Creek

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
SECURITY SOLO INSPECTION						1
1	09/10/2018	09/14/2018	IP 71151	001338	Performance Indicator Verification	
EP PROGRAM INSPECTION						1
1	09/17/2018	09/21/2018	IP 71114.02	000717	Alert and Notification System Testing	
1	09/17/2018	09/21/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	09/17/2018	09/21/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	09/17/2018	09/21/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	09/17/2018	09/21/2018	IP 71151	001397	Performance Indicator Verification	
SECURITY TEAM INSPECTION						2
1	10/01/2018	10/05/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	10/01/2018	10/05/2018	IP 71130.07	000739	Security Training	
TI 2515/194						2
1	12/03/2018	12/07/2018	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
SECURITY SOLO INSPECTION						1
1	04/01/2019	04/05/2019	IP 71130.02	000734	Access Control	
1	04/01/2019	04/05/2019	IP 71151	001338	Performance Indicator Verification	
WOLF CREEK 10CFR50.59 INSPECTION						3
1	04/29/2019	05/03/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
RP INSPECTION						1
1	05/06/2019	05/10/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	05/06/2019	05/10/2019	IP 71124.04	000729	Occupational Dose Assessment	
MAT'L CONTROL & ACCOUNTING						1
1	05/06/2019	05/10/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
EP EXERCISE AND PI INSPECTION						4
1	06/03/2019	06/07/2019	IP 71114.01	000716	Exercise Evaluation	
1	06/03/2019	06/07/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	06/03/2019	06/07/2019	IP 71151	001397	Performance Indicator Verification	

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01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
WOLF CREEK 3RD QTR REPORT						2
1	07/01/2019	09/30/2019	IP 71111.01	000691	Adverse Weather Protection	
1	07/01/2019	09/30/2019	IP 71111.04	000692	Equipment Alignment - 02.01 Partial Walkdown (Quarterly)	
1	07/01/2019	09/30/2019	IP 71111.04S	000693	Equipment Alignment - 02.02 Complete Walkdown	
1	07/01/2019	09/30/2019	IP 71111.05A	000694	Fire Protection - Annual	
1	07/01/2019	09/30/2019	IP 71111.05Q	000695	Fire Protection - Quarterly	
1	07/01/2019	09/30/2019	IP 71111.06	000698	Flood Protection Measures	
1	07/01/2019	09/30/2019	IP 71111.07A	000699	Heat Sink Performance - Annual	
1	07/01/2019	09/30/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance - Annual	
1	07/01/2019	09/30/2019	IP 71111.11Q	000705	Licensed Operator Requalification Program and Licensed Operator Performance - Quarterly	
1	07/01/2019	09/30/2019	IP 71111.12	000706	Maintenance Effectiveness	
1	07/01/2019	09/30/2019	IP 71111.13	000707	Maintenance Risk Assessments and Emergent Work Control	
1	07/01/2019	09/30/2019	IP 71111.15	000708	Operability Determinations and Functionality Assessments	
1	07/01/2019	09/30/2019	IP 71111.18	000710	Plant Modifications	
1	07/01/2019	09/30/2019	IP 71111.19	000711	Post Maintenance Testing	
1	07/01/2019	09/30/2019	IP 71111.20	000712	Refueling and Other Outage Activities	
1	07/01/2019	09/30/2019	IP 71111.22	000715	Surveillance Testing	
1	07/01/2019	09/30/2019	IP 71114.06	000721	Drill Evaluation	
1	07/01/2019	09/30/2019	IP 71151	000746	Performance Indicator Verification	
1	07/01/2019	09/30/2019	IP 71152	000748	Problem Identification and Resolution	
1	07/01/2019	09/30/2019	IP 71153	000749	Followup of Events and Notices of Enforcement Discretion	
CYBER SECURITY INSPECTION						4
1	07/15/2019	07/19/2019	IP 71130.10P	000741	Cyber Security	
1	07/29/2019	08/02/2019	IP 71130.10P	000741	Cyber Security	
SECURITY TEAM INSPECTION						2
1	07/22/2019	07/26/2019	IP 71130.05	000737	Protective Strategy Evaluation	
WOLF CREEK HEAT SINK INSPECTION						2
1	08/26/2019	08/30/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	

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Wolf Creek

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
INSERVICE INSPECTION						1
1	09/30/2019	10/11/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
RP INSPECTION						3
1	09/30/2019	10/04/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	09/30/2019	10/04/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/30/2019	10/04/2019	IP 71151	000746	Performance Indicator Verification	
WOLF CREEK 4th QTR REPORT						2
1	10/01/2019	12/31/2019	IP 71111.01	000691	Adverse Weather Protection	
1	10/01/2019	12/31/2019	IP 71111.04	000692	Equipment Alignment - 02.01 Partial Walkdown (Quarterly)	
1	10/01/2019	12/31/2019	IP 71111.04S	000693	Equipment Alignment - 02.02 Complete Walkdown	
1	10/01/2019	12/31/2019	IP 71111.05A	000694	Fire Protection - Annual	
1	10/01/2019	12/31/2019	IP 71111.05Q	000695	Fire Protection - Quarterly	
1	10/01/2019	12/31/2019	IP 71111.06	000698	Flood Protection Measures	
1	10/01/2019	12/31/2019	IP 71111.07A	000699	Heat Sink Performance - Annual	
1	10/01/2019	12/31/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance - Annual	
1	10/01/2019	12/31/2019	IP 71111.11Q	000705	Licensed Operator Requalification Program and Licensed Operator Performance - Quarterly	
1	10/01/2019	12/31/2019	IP 71111.12	000706	Maintenance Effectiveness	
1	10/01/2019	12/31/2019	IP 71111.13	000707	Maintenance Risk Assessments and Emergent Work Control	
1	10/01/2019	12/31/2019	IP 71111.15	000708	Operability Determinations and Functionality Assessments	
1	10/01/2019	12/31/2019	IP 71111.18	000710	Plant Modifications	
1	10/01/2019	12/31/2019	IP 71111.19	000711	Post Maintenance Testing	
1	10/01/2019	12/31/2019	IP 71111.20	000712	Refueling and Other Outage Activities	
1	10/01/2019	12/31/2019	IP 71111.22	000715	Surveillance Testing	
1	10/01/2019	12/31/2019	IP 71114.06	000721	Drill Evaluation	
1	10/01/2019	12/31/2019	IP 71151	000746	Performance Indicator Verification	
1	10/01/2019	12/31/2019	IP 71152	000748	Problem Identification and Resolution	
1	10/01/2019	12/31/2019	IP 71153	000749	Followup of Events and Notices of Enforcement Discretion	
INITIAL EXAM						6
1	11/03/2019	11/09/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	12/08/2019	12/14/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	

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ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING STATION
(REPORT 05000482/2017006) DATED MARCH 1, 2018

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ADAMS ACCESSION NUMBER: ML18052A345

SUNSI Review ADAMS: Non-Publicly Available Non-Sensitive Keyword:
 By: NHT/rdr Yes No Publicly Available Sensitive NRC-002

OFFICE	DRP/SPE:B	DRS/C:PSB1	DRS/D	DRP/C:B	DRP/D	
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SIGNATURE	/RA/	/RA/	/RA/	/RA/	/RA/	
DATE	2/22/18	2/22/18	2/26/18	2/26/18	2/27/18	

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