



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

March 01, 2023

Cleve Reasoner, Chief Executive Officer  
and Chief Nuclear Officer  
Wolf Creek Nuclear Operating Corp.  
P.O. Box 411 Burlington, KS 66839

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING  
STATION (REPORT 05000482/2022006)**

Dear Cleve Reasoner:

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, 2022 through December 31, 2022. 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 baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

The NRC determined the performance at the 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2024. 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 response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021 memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), it

may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission.

For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

As authorized by the Regional Administrator, the NRC will conduct Inspection Procedure 92702, "Follow-Up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, and Orders," tentatively scheduled for the 3<sup>rd</sup> quarter of 2024. This inspection is associated with Confirmatory Order, NRC Inspection Report 05000482/2019010 and NRC Investigation Report 4-2018-008 (ADAMS Accession No. ML19198A313).

Beginning on January 1, 2023, the engineering inspection frequency will transition from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program will consist of a "Comprehensive Engineering Team Inspection (CETI)"<sup>1</sup> and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication" and "Age-Related Degradation"<sup>2</sup>.

In accordance with Title 10 of the *Code of Federal Regulations* 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 Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

---

<sup>1</sup> Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the new CETI inspection. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from attached Report 22.

<sup>2</sup> The Age-Related Degradation procedure is publicly available, and the NRC plans to implement the first inspection of this type beginning in July 2023.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Gregory E. Werner".

Signed by Werner, Gregory  
on 03/01/23

Gregory E. Werner, Chief  
Projects Branch B  
Division of Operating Reactor Safety

Docket No. 05000482  
License No. NPF-42

Enclosure:  
Inspection Plan

cc w/ encl: Distribution via LISTSERV

ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING STATION (REPORT 05000482/2022006) - DATED MARCH 01, 2023

**DISTRIBUTION:**

RLewis, ORA  
JMonninger, ORA  
MHay, DORS  
RLantz, DORS  
DCylkowski, RC  
MFerdas, RIV/OEDO  
VDricks, ORA  
LWilkins, OCA  
SLee, NRR  
AMoreno, RIV/OCA  
RAlexander, RSLO  
GWerner, DORS  
DProulx, DORS  
BNytko, DORS  
ASaunders, DORS  
RRomero-Devore, DORS  
CHenderson, DORS

JVera, DORS  
SGalemore, DORS  
R4-DORS-IPAT  
R4Enforcement  
RFelts, DRO, NRR  
ABuford, DRO, NRR  
BPham, DORL, NRR  
GSuber, DORL, NRR  
KBrock, DPR, NSIR  
SAtack, DSO, NSIR  
DORS Branch Chiefs  
DRSS Branch Chiefs  
DRSS Directors  
Senior Allegations Coordinator  
JDixon-Herrity, DORL, NRR  
ROP Reports  
ROP Assessment

DOCUMENT NAME: ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING STATION (REPORT 05000482/2022006)

ADAMS ACCESSION NUMBER: **ML23055B078**

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

OFFICE	SPE:DORS/B	C:DORS/B		
NAME	DProulx	GWerner		
SIGNATURE	/RA/	/RA/		
DATE	02/24/23	03/01/23		

OFFICIAL RECORD COPY

# Site Inspection Activity Plan

## 07200079 - Wolf Creek (ISFSI)

01/01/2023 - 12/31/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
Wolf Creak ISFSI Triennial Inspection Routine Loading (1 week during campaign)(Part 72)						2
	9/1/2023	10/31/2023	IP 60855	001001	Operation Of An ISFSI	

# Site Inspection Activity Plan

## Wolf Creek

01/01/2023 - 12/31/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EP 2023 Program Inspection - WC</b>						1
1	1/9/2023	1/13/2023	IP 71114.02	000717	Alert and Notification System Testing	
1	1/9/2023	1/13/2023	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	1/9/2023	1/13/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	1/9/2023	1/13/2023	IP 71114.05	000720	Maintenance of Emergency Preparedness	
<b>Security Access Authorization .01 and Access Control .02 + PIV + Plan Change .09</b>						2
1	1/23/2023	1/27/2023	IP 71130.01	000733	Access Authorization	
1	1/23/2023	1/26/2023	IP 71130.02	000734	Access Control	
1	1/23/2023	1/26/2023	IP 71130.09	001656	Security Plan Changes	
1	1/23/2023	1/26/2023	IP 71151	001338	Performance Indicator Verification	
<b>RE-INSPECTION - FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - WC</b>						5
1	2/27/2023	6/9/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	5/15/2023	5/19/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	6/5/2023	6/9/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RP 6,7 -</b>						2
1	5/15/2023	5/19/2023	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	5/15/2023	5/19/2023	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>Security FFD .08</b>						1
1	5/22/2023	5/26/2023	IP 71130.08	000740	Fitness For Duty Program	
<b>WC 2023 ARQ</b>						1
1	7/2/2023	8/5/2023	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>EP 2023 Exercise Scenario In-Office Rvw 71114.08 - WC</b>						5
1	9/1/2023	10/14/2023	IP 71114.08	000723	Exercise Evaluation - Scenario Review	
<b>RP 1,4,PI -</b>						2
1	9/11/2023	9/15/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	9/11/2023	9/15/2023	IP 71124.04	000728	Occupational Dose Assessment	
<b>WC 2023 INITIAL EXAM</b>						4
1	9/10/2023	9/16/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/15/2023	10/21/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EP 2023 Biennial Exercise &amp; PI Inspection - WC</b>						5
1	11/13/2023	11/17/2023	IP 71114.01	000716	Exercise Evaluation	
1	11/13/2023	11/17/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	11/13/2023	11/17/2023	IP 71151	001397	Performance Indicator Verification	

# Site Inspection Activity Plan

<b>Fire Protection Inspection - WC</b>						3
1	2/12/2024	2/16/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1	2/26/2024	3/1/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>Inservice Inspection - WC</b>						1
1	3/25/2024	4/5/2024	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP 1,3,PI</b>						2
1	4/8/2024	4/12/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	4/8/2024	4/12/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>Security Equipment (.04), Security Training (.07)</b>						2
1	6/10/2024	6/14/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	6/10/2024	6/14/2024	IP 71130.07	000739	Security Training	
<b>WC 2024 BRQ</b>						3
1	6/23/2024	6/29/2024	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>WC IP 92702, Follow-up on Traditional Enforcement Actions - Confirmatory Order</b>						1
1	7/1/2024	9/30/2024	IP 92702 CONF	001697	Enforcement Related Order Follow-Up-Only	
<b>WC 2024 PI&amp;R Inspection</b>						4
1	7/15/2024	7/19/2024	IP 71152B	000747	Problem Identification and Resolution	
1	7/29/2024	8/2/2024	IP 71152B	000747	Problem Identification and Resolution	
<b>RP 5,8</b>						2
1	7/22/2024	7/26/2024	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	7/22/2024	7/26/2024	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
<b>EP Program &amp; PI Inspection (2024) - WC</b>						1
1	8/5/2024	8/9/2024	IP 71114.02	000717	Alert and Notification System Testing	
1	8/5/2024	8/9/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	8/5/2024	8/9/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	8/5/2024	8/9/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	8/5/2024	8/9/2024	IP 71151	001397	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - WC</b>						5
1	8/8/2024	9/20/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	8/26/2024	8/30/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	9/16/2024	9/20/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>Comprehensive Engineering Team Inspection - 21M - Wolf Creek</b>						7
1	10/21/2024	10/25/2024	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1	11/4/2024	11/8/2024	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
<b>Security Access Control (.02), Security Plan Changes (.09), Security PIV (71151)</b>						1

# Site Inspection Activity Plan

1	11/18/2024	11/22/2024	IP 71130.02	000734	Access Control
1	11/18/2024	11/22/2024	IP 71130.09	001656	Security Plan Changes
1	11/18/2024	11/22/2024	IP 71151	001338	Performance Indicator Verification