



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

February 28, 2024

Ken Peters, Senior Vice President  
and Chief Nuclear Officer  
VISTRA Operating Company, LLC  
P.O. Box 1002  
Glen Rose, TX 76043

SUBJECT: ANNUAL ASSESSMENT LETTER FOR COMANCHE PEAK NUCLEAR POWER  
PLANT, UNITS 1 AND 2 (REPORT 05000445/2023006 AND  
05000446/2023006)

Dear Ken Peters:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Comanche Peak Nuclear Power Plant, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2023, through December 31, 2023. 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 Comanche Peak Nuclear Power Plant, Units 1 and 2 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, 2025. 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 12 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 calendar year 2025, the NRC has scheduled four major site activities, which was approved by NRC management. In discussions with your staff, they stated the site will be able to support these inspection activities.

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,



Signed by Werner, Gregory  
on 02/28/24

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

Docket Nos. 50-445, 50-446  
License Nos. NPF-87, NPF-89

Enclosure:  
Inspection Plan

Distribution:  
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ANNUAL ASSESSMENT LETTER FOR COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 1 AND 2 (REPORT 05000445/2023006 AND 05000446/2023006) – DATED FEBRUARY 28, 2024

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ADAMS ACCESSION NUMBER: **ML24046A222**

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

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DATE	02/15/24	02/28/24				

OFFICIAL RECORD COPY

# Site Inspection Activity Plan

## 07200074 - Comanche Peak (ISFSI)

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Comanche Peak ISFSI Loading Inspection (one week during campaign) (Part 72)</b>						2
	3/25/2024	3/29/2024	IP 60855	001001	Operation Of An ISFSI	
<b>ISFSI Security Inspection (IP 81311)</b>						1
	9/9/2024	9/13/2024	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	

# Site Inspection Activity Plan

## Comanche Peak

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Security Equipment (.04), Security Training (.07)</b>						2
1,2	2/12/2024	2/16/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	2/12/2024	2/16/2024	IP 71130.07	000739	Security Training	
<b>RP 5,8</b>						2
1,2	2/26/2024	3/1/2024	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	2/26/2024	3/1/2024	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
<b>Commercial Grade Dedication Inspection - Comanche Peak</b>						3
1,2	4/29/2024	5/3/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	5/13/2024	5/17/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
<b>MC&amp;A</b>						1
1,2	5/27/2024	5/31/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>Security Protective Strategy (71130.05) and Target Sets (71130.14)</b>						3
1,2	6/17/2024	6/21/2024	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	6/17/2024	6/21/2024	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>CP 2024 BRQ</b>						3
1,2	8/18/2024	8/24/2024	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>Security Access Control (.02), Security Plan Changes (.09), Security PIV (71151)</b>						1
1,2	9/9/2024	9/13/2024	IP 71130.02	000734	Access Control	
1,2	9/9/2024	9/13/2024	IP 71130.09	001656	Security Plan Changes	
1,2	9/9/2024	9/13/2024	IP 71151	001338	Performance Indicator Verification	
<b>EP Program &amp; PI Inspection (2024) - CP</b>						1
1,2	9/23/2024	9/27/2024	IP 71114.02	000717	Alert and Notification System Testing	
1,2	9/23/2024	9/27/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	9/23/2024	9/27/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	9/23/2024	9/27/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	9/23/2024	9/27/2024	IP 71151	001397	Performance Indicator Verification	
<b>CP 2024 INITIAL EXAM</b>						5
1,2	9/15/2024	9/21/2024	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1,2	10/20/2024	10/26/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Inservice Inspection-CP (U2)</b>						1
2	10/21/2024	11/1/2024	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP 1,3,PI</b>						2

# Site Inspection Activity Plan

1,2	10/21/2024	10/25/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	10/21/2024	10/25/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	10/21/2024	10/25/2024	IP 71151	000746	Performance Indicator Verification	
<b>Comprehensive Engineering Team Inspection - Comanche Peak</b>						<b>7</b>
1,2	1/27/2025	1/31/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1,2	2/10/2025	2/14/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
<b>Inservice Inspection - CP (U1)</b>						<b>1</b>
1	4/28/2025	5/9/2025	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP 1,4,PI - CP</b>						<b>2</b>
1,2	4/28/2025	5/2/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	4/28/2025	5/2/2025	IP 71124.04	000728	Occupational Dose Assessment	
1,2	4/28/2025	5/2/2025	IP 71151	000746	Performance Indicator Verification	
<b>CP 2025 INITIAL EXAM</b>						<b>6</b>
1,2	6/8/2025	6/14/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1,2	7/20/2025	8/2/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EP 2025 Biennial Exercise &amp; PI Inspection</b>						<b>5</b>
1,2	8/11/2025	8/15/2025	IP 71114.01	000716	Exercise Evaluation	
1,2	8/11/2025	8/15/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	8/11/2025	8/15/2025	IP 71151	001397	Performance Indicator Verification	
<b>CP 2025 Biennial PI&amp;R</b>						<b>4</b>
1,2	9/8/2025	9/12/2025	IP 71152B	000747	Problem Identification and Resolution	
1,2	9/22/2025	9/26/2025	IP 71152B	000747	Problem Identification and Resolution	
<b>Security Access Control (71130.02), Security Plan Changes (71130.09), Security PIV (71151)</b>						<b>1</b>
1,2	10/6/2025	10/10/2025	IP 71130.02	000734	Access Control	
1,2	10/6/2025	10/10/2025	IP 71130.09	001656	Security Plan Changes	
1,2	10/6/2025	10/10/2025	IP 71151	001338	Performance Indicator Verification	
<b>Cyber Security Inspection- CP</b>						<b>4</b>
1,2	10/26/2025	11/1/2025	IP 71130.10	000741	Cybersecurity	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - CP</b>						<b>5</b>
1,2	10/27/2025	10/31/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	11/17/2025	11/21/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	