



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

March 1, 2018

Ken J. Peters, Senior Vice President  
and Chief Nuclear Officer  
Attention: Regulatory Affairs  
Vistra Operations 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 05000445/2017006 AND  
05000446/2017006)

Dear Mr. 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, 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 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 performance indicators 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, 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 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 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 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).

Please contact me at (817) 200-1148 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Mark S. Haire, Chief  
Project Branch A  
Division of Reactor Projects

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

Enclosure:  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## Comanche Peak

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RAD SAFETY TEAM 5,6,7,8</b>						4
1, 2	05/07/2018	05/11/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	05/07/2018	05/11/2018	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	05/07/2018	05/11/2018	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	05/07/2018	05/11/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>MAT'L CONTROL &amp; ACCOUNTING</b>						1
1, 2	05/07/2018	05/11/2018	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>INITIAL EXAM</b>						7
1, 2	05/13/2018	05/19/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	06/10/2018	06/16/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>PROTECTIVE STRATEGY</b>						1
1, 2	05/21/2018	05/25/2018	IP 71130.05	000737	Protective Strategy Evaluation	
<b>CP DESIGN BASES ASSURANCE TEAM</b>						7
1, 2	06/25/2018	07/13/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>Target Set Inspection</b>						2
1, 2	08/01/2018	08/31/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>SECURITY TEAM INSPECTION</b>						2
1, 2	08/06/2018	08/10/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	08/06/2018	08/10/2018	IP 71130.07	000739	Security Training	
<b>TI 2515/194</b>						2
1, 2	09/10/2018	09/14/2018	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)	
<b>SECURITY SOLO INSPECTION</b>						1
1, 2	10/22/2018	10/26/2018	IP 71130.02	000734	Access Control	
1, 2	10/22/2018	10/26/2018	IP 71151	001338	Performance Indicator Verification	

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

# IP 22 Inspection Activity Plan Report

## Comanche Peak

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>INSERVICE INSPECTION 2R17</b>						1
2	11/19/2018	11/30/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>EP PROGRAM INSPECTION</b>						1
1, 2	11/26/2018	11/30/2018	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	11/26/2018	11/30/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	11/26/2018	11/30/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	11/26/2018	11/30/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/26/2018	11/30/2018	IP 71151	001397	Performance Indicator Verification	
<b>RAD SAFETY RFO 1,2</b>						2
1, 2	12/03/2018	12/07/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	12/03/2018	12/07/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	12/03/2018	12/07/2018	IP 71151	000746	Performance Indicator Verification	
<b>COMANCHE PEAK 10CFR50.59 INSPECTION</b>						3
1, 2	01/14/2019	01/18/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>SECURITY SOLO INSPECTION</b>						1
1, 2	02/04/2019	02/08/2019	IP 71130.02	000734	Access Control	
1, 2	02/04/2019	02/08/2019	IP 71151	001338	Performance Indicator Verification	
<b>BRQ</b>						2
1, 2	02/10/2019	02/16/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>INSERVICE INSPECTION 1R20</b>						1
1	04/08/2019	04/19/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RP INSPECTION</b>						2
1, 2	04/08/2019	04/12/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/08/2019	04/12/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/08/2019	04/12/2019	IP 71151	000746	Performance Indicator Verification	
<b>INITIAL EXAM</b>						5
1, 2	05/05/2019	05/11/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	06/09/2019	06/15/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	

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

# IP 22 Inspection Activity Plan Report

## Comanche Peak

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP INSPECTION</b>						2
1, 2	07/22/2019	07/26/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	07/22/2019	07/26/2019	IP 71124.04	000729	Occupational Dose Assessment	
<b>IN OFFICE SCENARIO REVIEW</b>						4
1, 2	09/02/2019	10/08/2019	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
<b>BIENNIAL PI&amp;R INSPECTION</b>						4
1, 2	09/16/2019	09/20/2019	IP 71152B	000747	Problem Identification and Resolution	
1, 2	09/30/2019	10/04/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>EP EXERCISE INSPECTION</b>						4
1, 2	11/04/2019	11/08/2019	IP 71114.01	000716	Exercise Evaluation	
1, 2	11/04/2019	11/08/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	11/04/2019	11/08/2019	IP 71151	001397	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						8
1, 2	11/18/2019	11/22/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	12/09/2019	12/13/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	

ANNUAL ASSESSMENT LETTER FOR COMANCHE PEAK NUCLEAR POWER PLANT,  
 UNITS 1 AND 2 (REPORT 05000445/2017006 AND 05000446/2017006) DATED MARCH 1,  
 2018

**DISTRIBUTION:**

KKennedy, RA  
 SMorris, DRA  
 TPruett, DRP  
 AVegel, DRS  
 JClark, DRS  
 RLantz, DRP  
 SKirkwood, RC  
 JJosey, DRP  
 RKumana, DRP  
 MHaire, DRP  
 RAlexander, DRP  
 JBowen, RIV/OEDO  
 VDricks, ORA  
 JWeil, OCA  
 MO'Banion, NRR  
 AMoreno, RIV/CAO  
 BMaier, RSLO  
 EUribe, IPAT  
 MHerrera, DRMA  
 R4Enforcement  
 CMiller, NRR  
 MKing, NRR  
 JGiitter, NRR  
 KBrock, NRR  
 BMcDermott, NSIR  
 MBailey, NSIR  
 DRP Branch Chiefs  
 DRS Branch Chiefs  
 ROP Reports Resource  
 ROP Assessment Resource

**ADAMS ACCESSION NUMBER: ML18057A374**

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

OFFICE	RIV/DRP/SPE	RIV/DRP/C	RIV/DRS/C	RIV/DRS/D	RIV/DRP/D	
NAME	RAlexander	MHaire	JGroom	AVegel	TPruett	
SIGNATURE	/RA/	/RA/	/RA/	/RA/	/RA/	
DATE	2/16/18	2/26/18	2/21/18	2/22/18	2/23/18	

**OFFICIAL RECORD COPY**