



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

March 4, 2019

Mr. 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 05000445/2018006 AND  
05000446/2018006)**

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 (PIs), inspection results, and enforcement actions from January 1, 2018, through December 31, 2018. 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 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, 2020. 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. You should be aware that the agency has proposed changes regarding engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections") and is drafting proposed changes to the ROP for Commission consideration. Should the Commission approve changes to the ROP, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. 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

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) 200-1148 with any questions you have regarding this letter.

Sincerely,

/RA/

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

Dockets: 50-445 and 50-446  
Licenses: NPF-87 and NPF-89

Enclosure:  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## Comanche Peak

01/01/2019 - 12/31/2020

| Unit                                       | Start      | End        | Activity     | CAC    | Title  | Staff Count |
|--|------------|------------|--------------|--------|--|-------------|
| <b>COMANCHE PEAK 10CFR50.59 INSPECTION</b> |            |            |              |        |  | 3           |
| 1, 2                                       | 02/04/2019 | 02/08/2019 | IP 71111.17T | 000709 | Evaluations of Changes, Tests, and Experiments   |             |
| <b>CPSES 2019 BRQ</b>                      |            |            |              |        |  | 2           |
| 1, 2                                       | 03/17/2019 | 03/23/2019 | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance (Biennial) |             |
| <b>INSERVICE INSPECTION 1R20</b>           |            |            |              |        |  | 1           |
| 1, 2                                       | 04/29/2019 | 05/10/2019 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR)  |             |
| <b>RP INSPECTION (1,3)</b>                 |            |            |              |        |  | 2           |
| 1, 2                                       | 04/29/2019 | 05/03/2019 | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls                                   |             |
| 1, 2                                       | 04/29/2019 | 05/03/2019 | IP 71124.03  | 000727 | In-Plant Airborne Radioactivity Control and Mitigation                                 |             |
| <b>CPSES 2019 INITIAL EXAM</b>             |            |            |              |        |  | 7           |
| 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)   |             |
| <b>Security Access Control .02</b>         |            |            |              |        |  | 1           |
| 1, 2                                       | 06/17/2019 | 06/21/2019 | IP 71130.02  | 000734 | Access Control   |             |
| 1, 2                                       | 06/17/2019 | 06/21/2019 | IP 71151     | 001338 | Performance Indicator Verification   |             |
| <b>RP INSPECTION (2,4)</b>                 |            |            |              |        |  | 2           |
| 1, 2                                       | 08/05/2019 | 08/09/2019 | IP 71124.02  | 000726 | Occupational ALARA Planning and Controls   |             |
| 1, 2                                       | 08/05/2019 | 08/09/2019 | IP 71124.04  | 000728 | Occupational Dose Assessment   |             |
| <b>IN OFFICE SCENARIO REVIEW</b>           |            |            |              |        |  | 5           |
| 1, 2                                       | 09/02/2019 | 10/08/2019 | IP 71114.08  | 000723 | Exercise Evaluation □ Scenario Review  |             |
| <b>BIENNIAL PI&amp;R</b>                   |            |            |              |        |  | 4           |
| 1, 2                                       | 09/16/2019 | 10/04/2019 | 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   |             |

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

01/01/2019 - 12/31/2020

| Unit   | Start      | End        | Activity     | CAC    | Title   | Staff Count |
|--|------------|------------|--------------|--------|---|-------------|
| <b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>                             |            |            |              |        |   | 6           |
| 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   |             |
| <b>RS5678 Radiation Safety PS Team</b>                                   |            |            |              |        |   | 4           |
| 1, 2   | 01/27/2020 | 01/31/2020 | IP 71124.05  | 000729 | Radiation Monitoring Instrumentation  |             |
| 1, 2   | 01/27/2020 | 01/31/2020 | IP 71124.06  | 000730 | Radioactive Gaseous and Liquid Effluent Treatment   |             |
| 1, 2   | 01/27/2020 | 01/31/2020 | IP 71124.07  | 000731 | Radiological Environmental Monitoring Program   |             |
| 1, 2   | 01/27/2020 | 01/31/2020 | IP 71124.08  | 000732 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation |             |
| <b>Cyber Security Inspection</b>   |            |            |              |        |   | 2           |
| 1, 2   | 02/10/2020 | 02/14/2020 | IP 71130.10P | 000741 | Cyber Security  |             |
| 1, 2   | 02/24/2020 | 02/28/2020 | IP 71130.10P | 000741 | Cyber Security  |             |
| <b>Inservice Inspection 2RD18</b>  |            |            |              |        |   | 1           |
| 2  | 04/27/2020 | 05/08/2020 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR)   |             |
| <b>RS13PI Radiation Safety</b>   |            |            |              |        |   | 2           |
| 1, 2   | 04/27/2020 | 05/01/2020 | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls  |             |
| 1, 2   | 04/27/2020 | 05/01/2020 | IP 71124.03  | 000727 | In-Plant Airborne Radioactivity Control and Mitigation  |             |
| <b>Triennial Fire Protection Inspection</b>                              |            |            |              |        |   | 4           |
| 1, 2   | 06/07/2020 | 06/13/2020 | IP 71111.05T | 000696 | Fire Protection (Triennial)   |             |
| 1, 2   | 06/21/2020 | 06/27/2020 | IP 71111.05T | 000696 | Fire Protection (Triennial)   |             |
| <b>Comanche Peak 1, 2 - Design Bases Assurance Inspection (Programs)</b> |            |            |              |        |   | 3           |
| 1, 2   | 08/10/2020 | 08/14/2020 | IP 71111.21N | 000714 | Design Bases Assurance Inspection (Programs)  |             |
| 1, 2   | 08/24/2020 | 08/28/2020 | IP 71111.21N | 000714 | Design Bases Assurance Inspection (Programs)  |             |
| <b>EP Program Inspection</b>   |            |            |              |        |   | 1           |
| 1, 2   | 10/05/2020 | 10/09/2020 | IP 71114.02  | 000717 | Alert and Notification System Testing   |             |
| 1, 2   | 10/05/2020 | 10/09/2020 | IP 71114.03  | 000718 | Emergency Response Organization Staffing and Augmentation System                                  |             |
| 1, 2   | 10/05/2020 | 10/09/2020 | IP 71114.04  | 000719 | Emergency Action Level and Emergency Plan Changes   |             |
| 1, 2   | 10/05/2020 | 10/09/2020 | IP 71114.05  | 000720 | Maintenance of Emergency Preparedness   |             |
| 1, 2   | 10/05/2020 | 10/09/2020 | IP 71151     | 001397 | Performance Indicator Verification  |             |

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## Comanche Peak

01/01/2019 - 12/31/2020

| Unit                              | Start      | End        | Activity     | CAC    | Title                                 | Staff Count |
|-----------------------------------|------------|------------|--------------|--------|---------------------------------------|-------------|
| <b>Inservice Inspection 1RF21</b> |            |            |              |        |                                       |             |
| 1                                 | 10/12/2020 | 10/23/2020 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR) | 1           |

ANNUAL ASSESSMENT LETTER FOR COMANCHE PEAK NUCLEAR POWER PLANT,  
UNITS 1 AND 2 (REPORT 05000445/2018006 AND 05000446/2018006) - March 4, 2019

**Distribution:**

SMorris, RA  
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 BDickson, NRR  
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 RLantz, DRS  
 MScott, NSIR/DPR  
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 LReyna, DRP  
 R4Enforcement  
 DRP Branch Chiefs  
 DRS Branch Chiefs  
 ROP Reports Resource  
 ROP Assessment Resource

Electronic Distribution for Comanche Peak  
Nuclear Power Plant

**ADAMS ACCESSION NUMBER: ML19057A547**

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

|           |            |         |  |  |  |  |
|-----------|------------|---------|--|--|--|--|
| OFFICE    | DRP/SPE:A  | DRP/C:A |  |  |  |  |
| NAME      | RAlexander | MHaire  |  |  |  |  |
| SIGNATURE | /RA/       | /RA/    |  |  |  |  |
| DATE      | 2/19/19    | 3/4/19  |  |  |  |  |

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