



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

March 1, 2018

Mr. John Dent, Jr.  
Vice President-Nuclear and CNO  
Nebraska Public Power District  
Cooper Nuclear Station  
72676 648A Avenue  
P.O. Box 98  
Brownville, NE 68321

SUBJECT: ANNUAL ASSESSMENT LETTER FOR COOPER NUCLEAR STATION  
(REPORT 05000298/2017006)

Dear Mr. Dent:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Cooper Nuclear 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 at Cooper Nuclear 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, 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.

Additionally, as reflected in the enclosure, the NRC staff will complete Temporary Instruction 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/ Staffing/Multi-Unit Dose Assessment Plans." This inspection will be conducted to confirm the station's full implementation of Commission Orders EA-12-049 and EA-12-051.

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 817-200-1144 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Jason W. Kozal, Chief  
Project Branch C  
Division of Reactor Projects

Docket No. 50-298  
License No. DPR-46

Enclosure:  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## Cooper

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RAD SAFETY 2,4</b>						2
1	02/12/2018	02/16/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	02/12/2018	02/16/2018	IP 71124.04	000728	Occupational Dose Assessment	
<b>MITIGATING STRATEGIES/SFP INST FOR BDBEE</b>						4
1	03/12/2018	03/16/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
<b>COOPER DESIGN BASES ASSURANCE TEAMS</b>						6
1	04/02/2018	04/06/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	04/16/2018	04/20/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>SECURITY SOLO INSPECTION</b>						1
1	07/09/2018	07/13/2018	IP 71130.02	000734	Access Control	
1	07/09/2018	07/13/2018	IP 71151	001338	Performance Indicator Verification	
<b>EP EXERCISE INSPECTION</b>						4
1	07/30/2018	08/03/2018	IP 71114.01	000716	Exercise Evaluation	
1	07/30/2018	08/03/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	07/30/2018	08/03/2018	IP 71151	001397	Performance Indicator Verification	
<b>CNS HEAT SINK PERFORMANCE</b>						2
1	08/20/2018	08/24/2018	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>SECURITY TEAM INSPECTION</b>						2
1	08/20/2018	08/24/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	08/20/2018	08/24/2018	IP 71130.07	000739	Security Training	
<b>INITIAL EXAM</b>						4
1	08/26/2018	09/01/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	09/23/2018	09/29/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>INSERVICE INSPECTION RF30</b>						1
1	10/01/2018	10/05/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RAD SAFETY RFO 1,2</b>						2
1	10/15/2018	10/19/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	

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

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<b>RAD SAFETY RFO 1,2</b>						2
1	10/15/2018	10/19/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	10/15/2018	10/19/2018	IP 71151	000746	Performance Indicator Verification	
<b>CYBER SECURITY INSPECTION</b>						4
1	02/11/2019	02/15/2019	IP 71130.10P	000741	Cyber Security	
1	02/25/2019	03/01/2019	IP 71130.10P	000741	Cyber Security	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1	04/15/2019	04/19/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1	04/29/2019	05/03/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>SECURITY TEAM INSPECTION</b>						2
1	04/22/2019	04/26/2019	IP 71130.05	000737	Protective Strategy Evaluation	
<b>EP PROGRAM INSPECTION</b>						1
1	05/06/2019	05/10/2019	IP 71114.02	000717	Alert and Notification System Testing	
1	05/06/2019	05/10/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	05/06/2019	05/10/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	05/06/2019	05/10/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	05/06/2019	05/10/2019	IP 71151	001397	Performance Indicator Verification	
<b>MAT'L CONTROL &amp; ACCOUNTING</b>						1
1	05/20/2019	05/24/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>RP INSPECTION</b>						3
1	05/20/2019	05/24/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	05/20/2019	05/24/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/20/2019	05/24/2019	IP 71151	000746	Performance Indicator Verification	
<b>BIENNIAL PI&amp;R INSPECTION</b>						4
1	06/24/2019	06/28/2019	IP 71152B	000747	Problem Identification and Resolution	
1	07/08/2019	07/12/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>SECURITY SOLO INSPECTION</b>						1
1	08/05/2019	08/09/2019	IP 71130.02	000734	Access Control	
1	08/05/2019	08/09/2019	IP 71151	001338	Performance Indicator Verification	

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<b>RP TEAM INSPECTION</b>						4
1	08/19/2019	08/23/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	08/19/2019	08/23/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/19/2019	08/23/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	08/19/2019	08/23/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>BRQ</b>						2
1	09/22/2019	09/28/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>COOPER 10CFR50.59 INSPECTION</b>						3
1	09/30/2019	10/03/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>TI 2515/194</b>						2
1	11/04/2019	11/08/2019	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)	

ANNUAL ASSESSMENT LETTER FOR COOPER NUCLEAR STATION  
(REPORT 05000298/2017006) DATED MARCH 1, 2018

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DATE	2/23/18	2/23/18	2/23/18	2/23/18	2/23/18	

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