



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

March 3, 2020

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 05000298/2019006)**

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, inspection results, and enforcement actions from January 1, 2019, through December 31, 2019. 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 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, 2021. 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 is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. 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.

Additionally, during this period the NRC will schedule an additional inspection per a revised version of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (Agency Documents Access and Management System (ADAMS) Accession No. ML19163A176), which included an option for relying on annunciation and operator manual actions instead of automatic protective features to isolate a power supply affected by an open phase condition. Licensees will be individually notified when the NRC schedules these inspections.

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

Sincerely,

/RA/

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

Docket No. 05000298  
License No. DPR-46

Enclosure:  
Inspection Plan

cc w/ encl: Distribution via LISTSERV

# IP 22 Inspection Activity Plan Report

## 07200066 - Cooper Nuclear Station (ISFSI)

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Cooper ISFSI Routine Inspection (1 week in June)</b>						2
1	06/01/2020	06/30/2020	IP 60855	001001	Operation Of An ISFSI	
1	06/01/2020	06/30/2020	IP 60857	001004	Review of 10 CFR 72.48 Evaluations	

# IP 22 Inspection Activity Plan Report

## Cooper

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>1Q Emergency Plan Change Review</b>						3
1	01/06/2020	02/21/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
<b>CNS Special Inspection Team - Service Water Clogging</b>						3
1	01/13/2020	02/29/2020	IP 93812	000933	Special Inspection Team	
<b>Cooper - Power Operated Valves Inspection</b>						3
1	01/27/2020	01/31/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
1	02/10/2020	02/14/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
<b>Security Access Control .02</b>						1
1	03/22/2020	03/27/2020	IP 71130.02	000734	Access Control	
1	03/22/2020	03/27/2020	IP 71151	001338	Performance Indicator Verification	
<b>CNS 2020 INITIAL EXAM 1</b>						4
1	03/22/2020	03/28/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	04/26/2020	05/02/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>RS24 Radiation Safety</b>						2
1	04/27/2020	05/01/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/27/2020	05/01/2020	IP 71124.04	000728	Occupational Dose Assessment	
<b>EP Exercise and PI Inspection</b>						4
1	05/04/2020	05/08/2020	IP 71114.01	000716	Exercise Evaluation	
1	05/04/2020	05/08/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	05/04/2020	05/08/2020	IP 71151	001397	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - CNS</b>						6
1	06/01/2020	06/05/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	06/22/2020	06/26/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>Security Equipment .04 and Training .07</b>						2
1	08/17/2020	08/21/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	08/17/2020	08/21/2020	IP 71130.07	000739	Security Training	
<b>CNS 2020 INITIAL EXAM 2</b>						8
1	08/23/2020	08/29/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	

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

## Cooper

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>CNS 2020 INITIAL EXAM 2</b>						8
1	09/20/2020	09/26/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Inservice Inspection RF31 - CNS</b>						1
1	10/05/2020	10/09/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RS12PI Radiation Safety</b>						2
1	10/05/2020	10/09/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	10/05/2020	10/09/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>Design Bases Assurance (Team) 21M - Cooper</b>						6
1	04/05/2021	04/23/2021	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>Security FFD .08</b>						1
1	04/19/2021	04/23/2021	IP 71130.08	000740	Fitness For Duty Program	
<b>EP Program</b>						1
1	05/17/2021	05/21/2021	IP 71114.02	000717	Alert and Notification System Testing	
1	05/17/2021	05/21/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	05/17/2021	05/21/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	05/17/2021	05/21/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	05/17/2021	05/21/2021	IP 71151	001397	Performance Indicator Verification	
<b>Biennial PI&amp;R Inspection</b>						4
1	06/14/2021	06/18/2021	IP 71152B	000747	Problem Identification and Resolution	
1	06/28/2021	07/02/2021	IP 71152B	000747	Problem Identification and Resolution	
<b>RP 5,6,7,8 PS Team</b>						4
1	07/19/2021	07/23/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	07/19/2021	07/23/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/19/2021	07/23/2021	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	07/19/2021	07/23/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>CNS 2021 BRQ</b>						2
1	08/08/2021	08/14/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	

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## Cooper

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP 1,3,PI</b>						2
1	09/20/2021	09/24/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	09/20/2021	09/24/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>Security Access Authorization .01 and Access Control .02 w/PIV</b>						2
1	09/20/2021	09/24/2021	IP 71130.01	000733	Access Authorization	
1	09/20/2021	09/24/2021	IP 71130.02	000734	Access Control	
1	09/20/2021	09/24/2021	IP 71151	001338	Performance Indicator Verification	