



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

March 4, 2019

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 05000298/2018006)**

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, 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 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, 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 is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). 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, 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.

Additionally, as reflected in the enclosure, during this period the NRC staff will complete Temporary Instruction 2515/193, "Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions." This inspection will be conducted at Cooper Nuclear Station to confirm the station's full implementation of Commission Order EA-13-109.

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, Branch 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

07200066 - Cooper Nuclear Station (ISFSI)

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
Cooper Routine ISFSI inspection (one week in month)						2
1	11/01/2019	11/30/2019	IP 60855	001001	Operation Of An ISFSI	
1	11/01/2019	11/30/2019	IP 60857	001004	Review of 10 CFR 72.48 Evaluations	

IP 22 Inspection Activity Plan Report

Cooper

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
CNS RI 4TH QUARTERLY REPORT						2
1	09/01/2018	02/14/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
CYBER SECURITY INSPECTION						4
1	02/10/2019	02/16/2019	IP 71130.10P	000741	Cyber Security	
1	02/24/2019	03/02/2019	IP 71130.10P	000741	Cyber Security	
Security Protective Strategy .05						2
1	04/01/2019	06/07/2019	IP 71153	001341	Followup of Events and Notices of Enforcement Discretion	
1	04/22/2019	04/26/2019	IP 71130.05	000737	Protective Strategy Evaluation	
TRIENNIAL FIRE PROTECTION INSPECTION						4
1	04/14/2019	04/20/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1	04/28/2019	05/04/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
EP PROGRAM INSPECTION						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	Maintenance of Emergency Preparedness	
1	05/06/2019	05/10/2019	IP 71151	001397	Performance Indicator Verification	
RP INSPECTION (1,3)						2
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	
MC&A - MAT'L CONTROL & ACCOUNTING						1
1	05/20/2019	05/24/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
RELIABLE HARDENED CONTAINMENT VENTS TI-193 (EA-13-109)						2
1	06/17/2019	06/20/2019	TI 2515/193	000511	Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions	
BIENNIAL PI&R						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	

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

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
Security Access Control .02						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	
RP TEAM INSPECTION						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	
CNS 2019 BRQ						2
1	09/22/2019	09/28/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
COOPER 10CFR50.59 INSPECTION						3
1	09/30/2019	10/04/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
TI 2515/194						1
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)	
Cooper - Design Bases Assurance Inspection (Programs)						3
1	01/27/2020	01/31/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1	02/10/2020	02/14/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
CNS 2020 INITIAL EXAM 1						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)	
RS24 Radiation Safety						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	
EP Exercise and PI Inspection						4
1	05/04/2020	05/08/2020	IP 71114.01	000716	Exercise Evaluation	

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Cooper

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
EP Exercise and PI Inspection						4
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	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS						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	
CNS 2020 INITIAL EXAM 2						3
1	08/23/2020	08/29/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	09/20/2020	09/26/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
Inservice Inspection RFO31						1
1	10/05/2020	10/09/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RS12PI Radiation Safety						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	

ANNUAL ASSESSMENT LETTER FOR COOPER NUCLEAR STATION
(REPORT 05000298/2018006) – March 4, 2019

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By: JWK ☒ Yes ☐ No ☒ Publicly Available ☐ Sensitive NRC-002

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