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

February 28, 2024

Khalil Dia, Site Vice President
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 05000298/2023006

Dear Khalil Dia:

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, 2023, through December 31, 2023. 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 baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

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, 2025. 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.

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,

Signed by Josey, Jeffrey
on 02/28/24

Jeffrey E. Josey, Chief
Reactor Projects Branch C
Division of Operating Reactor Safety

Docket No. 05000298
License No. DPR-46

Enclosure:
Inspection Plan

Distribution:
[Include ROPassessment.Resource@nrc.gov.]

ANNUAL ASSESSMENT LETTER FOR COOPER NUCLEAR STATION - REPORT 05000298/2023006 DATED – FEBRUARY 28, 2024

DISTRIBUTION:
JMonninger, ORA
JLara, ORA
GMiller, DORS
MHay, DORS
DCylkowski, RC
FGaskins RIV/OEDO
VDricks, ORA
LWilkins, OCA
TByrd, NRR
AMoreno, RIV/OCA
RAlexander, RSLO
JJosey, DORS
WSchaup, DORS
MBloodgood, DORS
KCook-Smith, DORS
KChambliss, DORS
GBirkemeier, DORS
AElam, DORS
R4-DORS-IPAT
R4Enforcement
RFelts, DRO, NRR
ABuford, DRO, NRR
CErlanger, DORL, NRR
GSuber, DORL, NRR (Regions I, III, & IV & LLPP)
KBrock, DPR, NSIR
SAtack, DSO, NSIR
DORS Branch Chiefs
DRSS Branch Chiefs
DRSS Directors
Senior Allegations Coordinator
JDixon-Herrity, Plant Licensing Branch 4, DORL, NRR
ROP Reports
ROP Assessment

DOCUMENT NAME: CNS ANNUAL ASSESSMENT LETTER 2023
ADAMS ACCESSION NUMBER: **ML24044A232**

■ SUNSI Review By: | ADAMS: ■ Yes ☐ No | ☐ Non-Publicly Available ■ Publicly Available | ☐ Non-Sensitive ■ Sensitive | Keyword: NRC-002

OFFICE	SPE:DORS/PBC	SPE:DORS/PBC	BC:DORS/PBC			
NAME	MBloodgood	WSchaup	JJosey			
SIGNATURE	***MRB4***	***WTS1***	***JEJ1***			
DATE	02/14/24	02/14/24	02/28/24			

OFFICIAL RECORD COPY

Site Inspection Activity Plan

07200066 - Cooper Nuclear Station (ISFSI)

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
Cooper Triennial ISFSI Inspection (one-week during loading campaign) (Part 72)						2
	5/1/2025	5/31/2025	IP 60855	001001	Operation Of An ISFSI	

Site Inspection Activity Plan

Cooper

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
Comprehensive Engineering Team Inspection - Cooper						7
1	3/18/2024	3/22/2024	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1	4/1/2024	4/5/2024	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
Security Equipment (.04), Security Training (.07)						2
1	4/22/2024	4/26/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	4/22/2024	4/26/2024	IP 71130.07	000739	Security Training	
EP Exercise & PI Inspection (2024) - CNS						5
1	5/20/2024	5/24/2024	IP 71114.01	000716	Exercise Evaluation	
1	5/20/2024	5/24/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	5/20/2024	5/24/2024	IP 71151	001397	Performance Indicator Verification	
CNS 2024 INITIAL EXAM						4
1	5/12/2024	5/18/2024	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	6/9/2024	6/15/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Security Access Control (.02), Security Plan Changes (.09), Security PIV (71151)						1
1	7/15/2024	7/19/2024	IP 71130.02	000734	Access Control	
1	7/15/2024	7/19/2024	IP 71130.09	001656	Security Plan Changes	
1	7/15/2024	7/19/2024	IP 71151	001338	Performance Indicator Verification	
Inservice Inspection- CNS						1
1	10/7/2024	10/16/2024	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP 1,3,PI						2
1	10/7/2024	10/11/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	10/7/2024	10/11/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/7/2024	10/11/2024	IP 71151	000746	Performance Indicator Verification	
RP 5,6,7,8 - CNS						4
1	3/10/2025	3/14/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	3/10/2025	3/14/2025	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	3/10/2025	3/14/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	3/10/2025	3/14/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
CNS 2025 Biennial PI&R						4
1	3/31/2025	4/4/2025	IP 71152B	000747	Problem Identification and Resolution	
1	4/14/2025	4/18/2025	IP 71152B	000747	Problem Identification and Resolution	
Security Protective Strategy (71130.05) and Target Sets (71130.14)						3
1	4/28/2025	5/2/2025	IP 71130.05	000737	Protective Strategy Evaluation	

Site Inspection Activity Plan

1	4/28/2025	5/2/2025	IP 71130.14	000743	Review of Power Reactor Target Sets	
EP 2025 Program Inspection - CNS						1
1	5/12/2025	5/16/2025	IP 71114.02	000717	Alert and Notification System Testing	
1	5/12/2025	5/16/2025	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	5/12/2025	5/16/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	5/12/2025	5/16/2025	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	5/12/2025	5/16/2025	IP 71151	001397	Performance Indicator Verification	
MC&A - CNS						1
1	5/19/2025	5/23/2025	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Security Access Control (71130.02), Security Plan Changes (71130.09), Security PIV (71151)						1
1	8/4/2025	8/8/2025	IP 71130.02	000734	Access Control	
1	8/4/2025	8/8/2025	IP 71130.09	001656	Security Plan Changes	
1	8/4/2025	8/8/2025	IP 71151	001338	Performance Indicator Verification	
CNS 2025 INITIAL EXAM						4
1	8/3/2025	8/9/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	9/7/2025	9/13/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Cyber Security Inspection- CNS						4
1	9/14/2025	9/20/2025	IP 71130.10	000741	Cybersecurity	
CNS 2025 BRQ						2
1	10/5/2025	10/11/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Age-Related Degradation Inspection - Cooper						3
1	10/20/2025	10/24/2025	IP 71111.21N.04	001832	Age-Related Degradation	
1	11/3/2025	11/7/2025	IP 71111.21N.04	001832	Age-Related Degradation	
RP 1,4,PI - CNS						2
1	11/3/2025	11/7/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/3/2025	11/7/2025	IP 71124.04	000728	Occupational Dose Assessment	
1	11/3/2025	11/7/2025	IP 71151	000746	Performance Indicator Verification	