



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 1, 2023

Khalil Dia
Site Vice President
Nebraska Public Power District
72676-648A Avenue
P.O. Box 98
Brownville, NE 68321

SUBJECT: COOPER NUCLEAR STATION – SECURITY BASELINE INSPECTION
REPORT 05000298/2023420

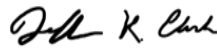
Dear Khalil Dia:

On June 29, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Cooper Nuclear Station and discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

 Signed by Clark, Jefferson
on 08/01/23

Jefferson K. Clark, Chief
Security Performance Evaluation Branch
Division of Security Operations
Office of Nuclear Security and Incident Response

Docket No. 05000298
License No. DPR-46

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®
P. Carlock, plcarlo@nppd.com

**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 05000298

License Number: DPR-46

Report Number: 05000298/2023420

Enterprise Identifier: I-2023-420-0009

Licensee: Nebraska Public Power District

Facility: Cooper Nuclear Station

Location: Brownville, Nebraska

Inspection Dates: June 05, 2023, to June 29, 2023

Inspectors: J. Berry, Team Leader, NSIR
P. Coughlin, Senior Security Specialist, NSIR
W. Tejada, Physical Security Inspector, RIV
A. Woyansky, Security Specialist, NSIR

Approved By: Jefferson K. Clark, Chief
Security Performance Evaluation Branch
Division of Security Operations
Office of Nuclear Security and Incident Response

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Cooper Nuclear Station, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

SAFEGUARDS

71130.03 - Contingency Response - Force-On-Force Testing

Contingency Response - Force-On-Force Testing (1 Sample)

- (1) NRC inspectors completed the Contingency Response – Force-on-Force (FOF) Testing inspection procedure by evaluating the licensee's performance in implementing the physical protection program to detect, assess, interdict, and neutralize threats up to, and including, the design basis threat of radiological sabotage. Two NRC-evaluated FOF exercises were conducted for the evaluation.

REPORT ATTACHMENTS

Supplemental Information for the report is considered Safeguards Information and is located separately within the NRC's Safeguards Information Local Area Network and Electronic Safe database, under NS125959.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On June 29, 2023, the inspectors presented the security baseline inspection results to Khalil Dia and other members of the licensee staff.

DOCUMENTS REVIEWED

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date | |
|----------------------|---|-------------------------|--|--|------------|
| 71130.03 | Corrective Action Documents Resulting from Inspection | CR-CNS-2023-01867 | Security FAC structural improvement | | |
| | | CR-CNS-2023-02070 | Work order to install barriers | | |
| | | CR-CNS-2023-02538 | Security Procedure Revision | | |
| | | CR-CNS-2023-02783 | Armed Security Officer timeline evaluation | | |
| | | CR-CNS-2023-02806 | NRC FOF inspection question | | |
| | | CR-CNS-2023-02919 | Evaluate EESCNS-2306-178 | | |
| | | CR-CNS-2023-03083 | Evaluate Structure | | |
| | | CR-CNS-2023-03084 | Evaluate responders neutralized | | |
| | | CR-CNS-2023-03128 | Friendly Fire during Drill | | |
| | | CR-CNS-2023-03129 | Mock device hit in the transformer yard | | |
| | | CR-CNS-2023-03171 | 23420-MV1 (SEC) | | |
| | | CR-CNS-2023-03197 | Security lessons learned | | |
| | | CR-CNS-2023-03210 | Evaluate Responders response route | | |
| | | Engineering Evaluations | Calc Number: NEDC 11-012 | EMI/RFI Evaluation for use of SAAB equipment in Live Force-on-Force Security Training and Evaluation | 03/17/2011 |
| | | Miscellaneous | | Nebraska Public Power District, The Reporting Qualification Report | 04/06.2023 |
| | Policy for the use of Multiple Integrated Laser Engagement System | | Rev 7, 04/08/2020 | | |

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date | |
|----------------------|------------|---------------------------|---|--|--------------------|
| | | | Security use of Force Policy Revision 5, dated 02/07/2017 | Rev 5, 02/07/2017 | |
| | | | LLEA MOU | 11/17/2022 | |
| | | Lesson Plan number S-25 | | Rev 7, 02/10/2022 | |
| | | Lesson Plan Number S-26 | | Rev 4 | |
| | | Lesson Plan Number S-27 | | Rev 5, 02/10/2022 | |
| | | Lesson Plan Number S-40 | Perform Controller Duties in Security Drills | Rev 1 | |
| | Procedures | | | Target Set | Rev 18, 08/02/2022 |
| | | | | Human Fragility Analysis | 06/25/2014 |
| | | | | Safeguards Plan | 01/08/2019 |
| | | IAC PROCEDURE 14.10.15 | | CNS Operations Manual, Security System Intrepid Enclosure Maintenance | Rev 7, 12/22/2021 |
| | | IAC PROCEDURE 14.10.16 | | CNS OPERATIONS MANUAL, Microwave Zone Intrusion and Power Supply Failure Testing | Rev 0, 09/15/2013 |
| | | IAC PROCEDURE 14.10.5 | | Security System MUX Unit Annual Examination and Maintenance, Revision 19, dated 3/8/2023 | Rev 19, 03/08/2023 |
| | | IAC PROCEDURE 14.10.6 | | CNS Operations Manual, Security System Intrusion Detection Device Performance Testing | Rev 42, 03/22/2023 |
| | | Security Procedure 2.10 | | Local Law Enforcement Agency | Rev 17, 03/17/2014 |
| | | Security Procedure 2.11.1 | | Equipment Testing - CCTV | Rev 26, 10/20/2022 |
| | | Security Procedure 2.11.3 | | Intrusion Detector Testing | Rev 30, 09/15/2022 |
| | | Security | | Equipment Testing Doors | Rev 27, |

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date |
|----------------------|------|-----------------------------|--|--------------------|
| | | Procedure 2.11.4 | | 10/12/2022 |
| | | Security Procedure 2.13 | Security Team Training and Exercises | Rev 38, 08/10/2022 |
| | | Security Procedure 2.9 | Communications | Rev 20, 10/20/2021 |
| | | Security Procedure 3.2 | Detection of Impending Attack Threat/Direct Armed Attack | Rev 33, 06/21/2022 |
| | | Site Services Procedure 1.1 | Station Security | Rev 72, 03/01/2023 |

COOPER NUCLEAR STATION – SECURITY BASELINE INSPECTION REPORT 05000298/2023420
 DATE August 1, 2023

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| DATE | Jul 31, 2023 | Aug 1, 2023 | Aug 1, 2023 | Aug 1, 2023 |

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