



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

December 1, 2021

Mr. David Rhoades
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: QUAD CITIES NUCLEAR POWER STATION – SECURITY BASELINE
INSPECTION REPORT 05000254/2021402 AND 05000265/2021402

Dear Mr. Rhoades:

On November 8, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Quad Cities Nuclear Power Station and discussed the results of this inspection with Ms. Danielle Fuson, Director of Organizational Performance and Regulatory 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,

A handwritten signature in black ink, appearing to read "S. Orth".

Signed by Orth, Steven
on 12/01/21

Steven K. Orth, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 05000254 and 05000265
License Nos. DPR-29 and DPR-30

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to David Rhoades from Steven K. Orth dated December 1, 2021.

SUBJECT: QUAD CITIES NUCLEAR POWER STATION – SECURITY BASELINE
INSPECTION REPORT 05000254/2021402 AND 05000265/2021402

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

Docket Numbers: 05000254 and 05000265

License Numbers: DPR-29 and DPR-30

Report Numbers: 05000254/2021402 and 05000265/2021402

Enterprise Identifier: I-2021-402-0058

Licensee: Exelon Generation Company, LLC

Facility: Quad Cities Nuclear Power Station

Location: Cordova, IL

Inspection Dates: October 18, 2021 to November 08, 2021

Inspector: G. Bonano, Physical Security Inspector

Approved By: Steven K. Orth, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Quad Cities Nuclear Power 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.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), inspectors were directed to begin telework. In addition, regional baseline inspections were evaluated to determine if all or a portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on site. The inspections documented below met the objectives and requirements for completion of the IP.

SAFEGUARDS

71130.04 - Equipment Performance, Testing, and Maintenance

The inspector evaluated the security equipment testing and maintenance program through completion of the following procedure elements. In addition, the completion of these elements combined with the completion of elements documented in report 05000254/2020402 and 05000265/2020402, dated January 11, 2021, constitute one complete sample.

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: 02.02 b - h; 02.03 c; 02.04 b, c, f, g; 02.05 b - d; 02.06 b; 02.08 e
 - Tier II: 02.09 a; 02.10 a; 02.11 a, b; 02.12 a
 - Tier III: None

71130.07 - Security Training

The inspector evaluated the security training program through completion of the following procedure elements:

Security Training (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 02.05 a - d; 02.07 a; 02.09 a
 - Tier III: 02.11 a; 02.12 a, b; 02.13 b, c

71130.09 - Security Plan Changes

Review Security Plan Changes (IP Section 02.01) (1 Sample)

The inspector evaluated the security plan changes through completion of the following procedure elements:

- (1) Since the last NRC inspection of this program area, Security Plan Revision(s) 16 to 17 were implemented based on your determination, in accordance with Title 10 of the *Code of Federal Regulations* (CFR), Part 50.54(p)(2), that the changes resulted in no decrease in safeguards effectiveness of the security plan, and that the revised security plan changed continues to meet the requirements of 10 CFR 73.55(b). The inspector conducted a review of the security plan changes to evaluate for potential decrease in safeguards effectiveness of the security plan. However, this review does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On November 8, 2021, the inspector presented the security baseline inspection results to Ms. Danielle Fuson, Director of Organizational Performance and Regulatory and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
71130.04	Corrective Action Documents	AR 04418307	Vehicle Key Control	04/22/2021	
	Miscellaneous	SC-JA-0016	Security Equipment Tamper Test	12	
		SY-QC-101-1003-F-05	Weekly Test Checklist for Performance of Security System Tests	January - October 2021	
	Procedures	SY-AA-101-122	Testing Security Equipment	23	
		SY-AA-101-122-103	Performance of Access Control Device and Portal Tests	0	
		SY-AA-101-122-104	Performance of Special Purpose Detector, Communication, Lighting, and Biometrics Threshold Tests	0	
		SY-AA-150-1010	FIREARMS PRACTICE RANGE MAINTENANCE	1	
		SY-AA-150-103	FIREARMS MAINTENANCE, TESTING, AND ACCOUNTABILITY	2	
	71130.07	Corrective Action Documents Resulting from Inspection	AR 04456127	NRC Range Observation	10/27/2021
		Miscellaneous		Armed Responder - Individual Qualification Records	2020 - 2021
			Response Team Leader - Individual Qualification Records	2020 - 2021	
			The National Rifle Association of America Training Instructor Certificates - 5 Personnel (Trainers)		
			QC Tactical Course 2021	0	
			LMS Component Completion Report	11/04/2021	
HR-AA-07-110			Armed MSO Medical Examination Records (11 Personnel Records)	17	
SY-AA-150-105-F-11			Quad Cities Physical Fitness Test (PFT)	0	
Procedures		SY-AA-101-145	Security Standards of Conduct	16	
		SY-AA-150-1007	EXELON NUCLEAR SECURITY ADVERSARY FORCE	2	
		SY-AA-150-1008	FIREARM TRAINING SIMULATOR (FATS)	1	
		SY-AA-150-1009	FIREARMS PRACTICE RANGE MANAGEMENT	1	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SY-AA-150-101	EXELON NUCLEAR SECURITY TRAINING	2
		SY-AA-150-104	EXELON NUCLEAR SECURITY OJT PROGRAM	1
		SY-AA-150-105	EXELON NUCLEAR SECURITY PHYSICAL FITNESS TEST DEVELOPMENT, APPROVAL AND CONDUCT	1
	Self-Assessments	NOSA-QDC-20-02 (AR 4308330)	Security Programs Audit Report - January 21 to January 31, 2020	02/05/2020
		NOSA-QDC-21-01 (AR 04394294)	Security Programs Audit Report - January 19 to March 5, 2021	03/10/2021
71130.09	Miscellaneous		Quad Cities Station Site Security Plan, Safeguards Contingency Plan, Training and Qualification Plan, and Independent Spent Fuel Storage Installation Program	17
	Procedures	SY-AA-500-126	Duties and Responsibilities of the Exelon Nuclear Security Organization	20