



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

November 22, 2021

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

SUBJECT: BYRON STATION – SECURITY BASELINE INSPECTION REPORT
05000454/2021403 AND 05000455/2021403

Dear Mr. Rhoades:

On November 15, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Byron Station and discussed the results of this inspection with Mr. Curt Catecamp, security manager, 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 11/22/21

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

Docket Nos. 05000454 and 05000455
License Nos. NPF-37 and NPF-66

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to David Rhoades from Steven K. Orth dated November 22, 2021.

SUBJECT: BYRON STATION – SECURITY BASELINE INSPECTION REPORT
05000454/2021403 AND 05000455/2021403

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

Docket Numbers: 05000454 and 05000455

License Numbers: NPF-37 and NPF-66

Report Numbers: 05000454/2021403 and 05000455/2021403

Enterprise Identifier: I-2021-403-0026

Licensee: Exelon Generation Company, LLC

Facility: Byron Station

Location: Byron, IL

Inspection Dates: November 01, 2021 to November 15, 2021

Inspectors: A. Anderson, Physical Security Inspector
J. Kutlesa, 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 Byron 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

Unless otherwise noted, baseline security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 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. Publicly available IPs are located at:

<http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

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 inspectors evaluated the security equipment testing and maintenance program. The completion of these elements, combined with the completion of elements documented in report 05000454/2020402 and 05000455/2020402, dated September 18, 2020, constitute one complete sample.

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: 02.02 b, c, d, e, f, g, h; 02.03 b, c; 02.04 c, f, g; 02.05 b, c, d; 02.06 b; 02.07 b; 02.08 e
 - Tier II: 02.11 a, d; 02.12 a
 - Tier III: None

71130.07 - Security Training

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

Security Training (1 Sample)

- (1)
 - Tier I: All
 - Tier II: 02.05 a, c, d; 02.06 b; 02.07 a; 02.09 a
 - Tier III: 02.10; 02.11 a; 02.12 a, b; 02.13 a, b

71130.09 - Security Plan Changes

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

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

- (1) (Partial)
The opportunity to apply this procedure was not available in accordance with Inspection Manual Chapter 0306. This sample was not available because the licensee did not conduct the activity covered by this inspection procedure. Specifically, the licensee has not initiated a physical security plan change in accordance with Title 10 of the *Code of Federal Regulations*, Part 50.54(p)(2) since the last performance of this inspection procedure.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On November 15, 2021, the inspectors presented the security baseline inspection results to Mr. Curt Catecamp, security manager, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.04	Procedures	SY-AA-150-103	Firearms Maintenance, Testing and Accountability	2
71130.07	Miscellaneous		Instructor Certification Letters	04/05/2021
			National Rifle Association Course Approval Documents for Daylight Rifle Qualification Course, Night Fire Rifle Qualification Course, and Thermal Rifle Qualification Course	01/20/2020; 04/20/2018; 04/20/2018
			Oleoresin Capsicum Aerosol Training	01/01/2017
			Byron Station, Security 3 Year Training Plan	12/16/2020
		AR 4394288	Security Program Audit - NOSA-BYR-21-01	01/01/19 - 02/03/2021
		LSN - 2101-PP	Patrol Officer: Duties and Responsibilities	0
		N-AN-SY-FFD Breath ALC	Fitness For Duty Breath Alcohol Collections	04/10/2017
		SY-AA-150-101- F-48	LSN - 1108-PP, Use of Force Continuum	0
	Procedures	HR-AA-07-110	Medical Examination	18
		N-AN-SY-RTD- IQT	Return to Duty Physical Fitness Test	22
		SY-AA-101-142- F-09	Firearms Fitness Regulations Questionnaires	6
		SY-AA-150-1008	Firearms Training Simulator (FATS)	1
		SY-AA-150-101	Exelon Nuclear Security Training	2
		SY-AA-150-101- F-04	Response Team Leader - Individual Qualification Record	2
		SY-AA-150-101- F-13	Individual Qualification Records	0
		SY-AA-150-101- F-13	Individual Security Training File Cover Sheet	0
		SY-AA-150-101- F-26	Personal Corrective Aids and New Hire Required Equipment Checks	0
		SY-AA-150-101- F-47	Security Instructors Continuing Training 8 Hour Instructor Skills Training with 12 Month Period and 8 Hours Technical Skills Training	2

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SY-AA-150-102	Security Drills and Exercises	0
		SY-AA-150-104	Exelon Nuclear Security On-Job-Training (OJT) Program	1
		SY-AA-150-105	Physical Fitness Test Development, Approval and Conduct	1
		TQ-AA-224-F-080	Observations: 246160,246167, 246207, 246667, 246708, 246730, 246732, 246735	6
71130.09	Miscellaneous		Byron Station Security Plan, Training and Qualification Plan, Safeguards Contingency Plan and Independent Spent Fuel Storage Installation Security Program	17