



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

December 16, 2020

Mr. Bryan C. Hanson
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BYRON STATION – SECURITY BASELINE INSPECTION REPORT
05000454/2020403 AND 05000455/2020403

Dear Mr. Hanson:

On December 4, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Byron Station and discussed the results of this inspection with Mr. Curt Catencamp 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,

/RA/

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 Bryan C. Hanson from Steven K. Orth dated December 16, 2020.

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05000454/2020403 AND 05000455/2020403

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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: 05000454/2020403 and 05000455/2020403

Enterprise Identifier: I-2020-403-0027

Licensee: Exelon Generation Company, LLC

Facility: Byron Station

Location: Byron, IL

Inspection Dates: October 20, 2020 to December 4, 2020

Inspector: A. Anderson, 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), regional inspectors were directed to begin telework. The inspection documented below was determined that the objectives and requirements stated in the IP could be performed remotely.

SAFEGUARDS

71130.02 - Access Control

The inspector evaluated the access control program through completion of the following inspection elements:

Access Control (1 Partial)

- (1) (Partial)
 - Tier I: 02.01a, b, c, d, e; 02.02g; 02.03a; 02.04a, b, c, d; 02.05a
 - Tier II: 02.06a; 02.07a; 02.08a, b, c, d, f, g, i
 - Tier III: 02.09

71130.09 - Security Plan Changes

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

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

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

- On December 4, 2020, the inspector presented the security baseline inspection results to Mr. Curt Catencamp and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	AR 04226835 and AR 4294660	SRPT for 71130.02: Access Control	11/27/2019
		IR 04356921	Security Protected Area/Vital Area Key/Core Changeout Checklist	07/15/2020
	Procedures	SY-101-112-1001	Owner Controlled Area (OCA), Receiving Building Search Activities	2
		SY-AA-101-106	Control and Classification of Safeguards Information and Sensitive Unclassified Non-Safeguards Information	21
		SY-AA-101-112-1002	Unitech Laundry Facility Search Processes	2
		SY-AA-101-112-1003	Ion Scanning Explosives Detector (ISED) Search	3
		SY-AA-101-112-1004	Protected Area Search Processes	3
		SY-AA-101-112-1005	Owner Controlled Area Inspection Processes	2
		SY-AA-101-115	Controlling Gates and Power Operated Active Vehicle Barriers	15
		SY-AA-101-115	Operation of Active Vehicle Barriers and Gates	8
		SY-AA-101-115-1003	Controlling Gates and Power Operated Active Vehicle Barriers	2
		SY-AA-101-116	Conducting Patrols	17
		SY-AA-101-117	Visitor/Vehicle Registration Log, Rev 3	01/07/2020 - 09/30/2020
		SY-AA-101-117	Processing and Escorting of Personnel and Vehicles	32
		SY-AA-101-120	Control of Security Access Control Devices	9
		SY-AA-101-120-F-01	Key Issuance Log	2
		SY-AA-101-120-F-01; Rev 2	Key Issuance Log	01/03/2020 - 10/14/2020
SY-AA-101-122-1001	Performance of Security System Tests	13		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SY-AA-101-122-1001-F-01; Rev 3	Special Purpose Detector Test Log	05/14/2020
		SY-AA-101-130	Security Responsibilities for Station Personnel	26
		SY-AA-102	Exelon Generation Fitness for Duty Program	21
		SY-AA-103-500	Access Authorization Program	15
		SY-AA-103-514	Site Authorization for Unescorted Access	21
		SY-BY-101-116-1001	Owner Controlled Area Patrol	10
		SY-BY-101-116-1001-F-01	Owner Controlled Area Patrol Compensatory Log	0
		SY-BY-101-116-1001-F-02	Alarm Response Computer Failure Doors WRO, OCA Patrol	0
		SY-BY-101-116-1001-F-03	Secondary Alarm Station Culvert Check Documentation	0
		SY-BY-101-116-1001-F-04	Owner Controlled Area Patrol Checks	4
		SY-BY-101-116-1001-F-05	EF 4 Culvert Check	0
		SY-BY-101-116-1001-F-06	Front of Main Access Facility	0
		SY-BY-101-116-1001-F-06	Front of Main Access Facility Barrier Inspection	06/19/2019 - 10/14/2020
		SY-BY-101-116-1002	Protected Area and Vital Area Patrols	6
		SY-BY-101-116-1002-F-01	Vehicle Patrol, Protected Area Barrier Patrol Checklist	8
		SY-BY-101-116-1002-F-02	Protected Area Vehicle Key Check	1
		SY-BY-101-116-1002-F-03	Foot Patrol	15
		SY-BY-101-2000-F-010; Rev 0	Security Key Control Log	02/17/2020 - 07/13/2020
		SY-BY-101-2000-F-015; Rev 0	General Access Log: Multiple Door Use	04/16/2020 - 09/29/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SY-BY-101-2000-F-02; Rev 0	Key Inventory	08/01/2020 - 10/14/2020