



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 24, 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
05000454/2021401 AND 05000455/2021401

Dear Mr. Rhoades:

On March 1, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Byron Station and discussed the results of this inspection with Mr. Curtis 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 David Rhoades from Steven K. Orth dated March 24, 2021.

SUBJECT: BYRON STATION – SECURITY BASELINE INSPECTION REPORT
05000454/2021401 AND 05000455/2021401

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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: 05000454/2021401 and 05000455/2021401

Enterprise Identifier: I-2021-401-0112

Licensee: Exelon Generation Company, LLC

Facility: Byron Station

Location: Byron, IL

Inspection Dates: January 12, 2021 to March 01, 2021

Inspectors: A. Anderson, Physical Security Inspector
G. Bonano, Physical Security Inspector
J. Gilliam, 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), 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, in part, remotely.

SAFEGUARDS

71130.01 - Access Authorization

The inspectors evaluated the access authorization program through completion of the following inspection elements:

Access Authorization (1 Sample)

- (1)
 - Tier I: All
 - Tier II: 02.05 a; 02.06 a, c; 02.07 a, b; 02.08 a, c
 - Tier III: 02.09; 02.10 a, b; 02.11 a

71130.02 - Access Control

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

Access Control (1 Sample)

- (1)
 - Tier I: All
 - Tier II: 02.06 a - c; 02.07 a; 02.08 a, c, f, i
 - Tier III: 02.09; 02.10 a

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

PP01: Protected Area Security Equipment Performance Index Sample (IP Section 03.17)
(1 Sample)

The inspectors verified licensee performance indicators submittals listed below

(1) August 2020 - January 2021

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On March 1, 2021, the inspectors presented the security baseline inspection results to Mr. Curtis Catencamp and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.01	Corrective Action Documents	AR 4308339	Security Programs Audit Report; NOSA-BYR-20-02	01/21/2020 through 02/14/2020
		AR 4394288	Security Programs Audit Exit Meeting Handout; Audit NOSA-BYR-21-01	01/19/2021 through 02/05/2021
	Procedures	SY-AA-103-500-F-04	Critical Group Inclusion Removal Form	002
		SY-AA-103-500-F-05	Exelon Legal Action Self-Reporting Form	002
		SY-AA-103-500-F-07	Maintaining Unescorted Access Authorization	000
		SY-AA-103-500-F-09	Behavior Observation Program (BOP) - Annual Supervisor Review	000
		SY-AA-103-506	Utilizing The Personnel Access Data System (PADS)	016
		SY-AA-103-506-F-01	Request For Information	000
		SY-AA-103-506-F-02	PADS Monthly Review Form	000
		SY-AA-103-507	Review Criteria For Determining Trustworthiness and Reliability	007
		SY-AA-103-507-F-02	Access Authorization Fitness For Duty Determination-of-Fitness Review	000
		SY-AA-103-507-F-03	Adjudication of Potentially Disqualifying Information (PDI)	000
		SY-AA-103-507-F-06	Exelon Access Authorization (Licensee Employee) Reported Legal Action	000
		SY-AA-103-507-F-07	Exelon Access Authorization (Contractor Employee) Reported Legal Action	000
		SY-AA-103-511	Access Authorization In-processing, Out-processing of Personnel	026
SY-AA-103-511-	Access Request Form	002		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		F-01		
		SY-AA-103-511-F-02	Request for Permanent Security Access Status Level	000
		SY-AA-103-511-F-04	Out-processing Checklist, Non-outage Contractor Personnel	001
		SY-AA-103-511-F-05	Out-processing Checklist, Outage Contractor Personnel	001
71130.02	Corrective Action Documents	AR 04400320	NOS ID- Annual Malware Scans Were Not Completed	02/04/2021
	Procedures	SY-AA-101-106	Control and Classification of Safeguards Information (SGI) and Sensitive Unclassified Non-Safeguards Information (SUNSI)	021
		SY-AA-101-112-1004	Protected Area Search Processes	4
		SY-AA-101-112-1005	Owner Controlled Area Inspection Processes	2
		SY-AA-101-112-F-06	Protected Area Entry - Vehicle Search	9
		SY-AA-101-115	Controlling Gates and Power Operated Active Vehicle Barriers	15
		SY-AA-101-117-F-03	Visitor/Vehicle Registration Log; multiple date entries	003; 10/2020 - 01/2021
		SY-BY-101-112-1001	Owner Controlled Area (OCA) Receiving Building Search Activities	3
71151	Miscellaneous	LS-AA-2160 Rev 5-2020-08, 09, 10, 11, 12 and 2160-2021-01; SY-AA-101-155-F-01, Rev 3	Security Performance Indicator Reports, IDS Compensatory Measures Sheet and Supporting SERs and ARs	Rev 005 for 08/01/2020 - 01/31/2021