



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 31, 2020

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

SUBJECT: BRAIDWOOD STATION – SECURITY BASELINE INSPECTION REPORT
05000456/2020401 AND 05000457/2020401

Dear Mr. Hanson:

On March 6, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Braidwood Station and discussed the results of this inspection with Mr. J. Keenan 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. 05000456 and 05000457
License Nos. NPF-72 and NPF-77

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Steven K. Orth dated March 31, 2020.

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05000456/2020401 AND 05000457/2020401

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000456 and 05000457

License Numbers: NPF-72 and NPF-77

Report Numbers: 05000456/2020401 and 05000457/2020401

Enterprise Identifier: I-2020-401-0055

Licensee: Exelon Generation Company, LLC

Facility: Braidwood Station

Location: Braceville, IL; Warrenville, IL

Inspection Dates: January 14, 2020 to March 6, 2020

Inspectors: A. Anderson, Physical Security Inspector
E. Bonano, Physical Security Inspector
J. Kutlesa, Physical Security Inspector
M. Ziolkowski, Senior 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 Braidwood 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>.

SAFEGUARDS

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 Requirements
 - Tier II: 02.06(a-d); 02.07(a); 02.08(a,d,f,i)
 - Tier III: 02.09

71130.08 - Fitness For Duty Program

Fitness For Duty Program (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 02.05(a-f, k); 02.06(a-g); 02.07(a-e); 02.08(a-b); 02.09(a-e)
 - Tier III: 02.10; 02.11(a); 02.12(a); 02.13(a,c); 02.14(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 02.17) (1 Sample)

- (1) (01/01/2019-12/31/2019)

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 6, 2020, the inspectors presented the security baseline inspection results to Mr. J. Keenan 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 04304335	Magazine Found by Operations Personnel	12/17/2019
	Corrective Action Documents Resulting from Inspection	AR 04323773	NRC ID: PA Warehouse X-ray	03/04/2020
	Miscellaneous	SA-AA-101-155-F-01	Safeguards Event Report	03/2019 through 03/2020
	Procedures	Security Aid – No. 11 1/16/20	OCA Surveillance Braidwood Security	4
		SY-AA-101-106	Control and Classification of Safeguards Information (SGI) and Sensitive Unclassified Non-Safeguards Information (SUNSI)	21
		SY-AA-101-112-1004	Protected Area Search Processes	3
		SY-AA-101-112-1005	Owner Controlled Area Inspection Processes	2
		SY-AA-101-112-F-06	PA Entry - Vehicle Search	9
		SY-AA-101-112-F-07	OCA Entry - Vehicle Inspection	3
		SY-AA-101-132	Security Assessment and Response to Unusual Activities	32
		SY-AA-103-511	Access Authorization In-Processing/Out-Processing of Personnel	25
		SY-BR-101-112	Braidwood Search Operations	15
		SY-BR-101-119	Warehouse Process of Packages and Cargo	7
	Self-Assessments	NOSA-BRW-20-02 (AR 4308324)	Security Programs Audit Report, Braidwood Station	02/02/2020
71130.08	Corrective Action Documents Resulting from	AR 04324317	NRC Observation - FFD	03/06/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Inspection			
	Miscellaneous		NANTeL Generic Fitness for Duty and Behavior Observation Content Document	06/08/2017
		2019 Random	Report of Dates and Times of 2019 Random FFD Tests	N/A
	Procedures	SY-AA-103-500	Access Authorization Program	15
71151	Miscellaneous	LS-AA-2160	Monthly Data Elements for NRC Protected Area (PA) Security Equipment Performance Index	01/01/2019 through 12/31/2019
		PI Summary Report	INPO Summary for Braidwood Station	03/02/2020