



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

July 30, 2020

Mr. Bryan Hanson  
Senior Vice President, Exelon Generation Company, LLC  
President and Chief Nuclear Officer (CNO), Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: R. E. GINNA NUCLEAR POWER PLANT – SECURITY BASELINE  
INSPECTION REPORT 05000244/2020402

Dear Mr. Hanson:

On July 23, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at R. E. Ginna Nuclear Power Plant and discussed the results of this inspection with Mr. Paul Swift 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,

X /RA/

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Signed by: Fred L. Bower  
Fred L. Bower, III, Chief  
Plant Support Branch  
Division of Reactor Safety

Docket No. 05000244  
License No. DPR-18

Enclosure:  
As stated

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SUBJECT: R. E. GINNA NUCLEAR POWER PLANT – SECURITY BASELINE  
INSPECTION REPORT 05000244/2020402 DATED JULY 30, 2020

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

Docket Number: 05000244

License Number: DPR-18

Report Number: 05000244/2020402

Enterprise Identifier: I-2020-402-0004

Licensee: Exelon Nuclear

Facility: R. E. Ginna Nuclear Power Plant

Location: Ontario, NY

Inspection Dates: July 20, 2020 to July 23, 2020

Inspectors: K. Hussar, Physical Security Inspector  
S. McCarver, Physical Security Inspector  
J. Rey, Physical Security Inspector

Approved By: Fred L. Bower, III, 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 R. E. Ginna Nuclear Power Plant, 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 teleworking. The inspection documented below was completed through a combination of remote and on-site inspection.

## 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: 8 Requirements (02.06 a - c, 02.08 a, b, c, f, i)
  - Tier III: 1 Requirement (02.09)

### 71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program. The following elements were evaluated from this IP.

#### Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
  - Tier I: All Requirements
  - Tier II: 4 Requirements (02.09 a, 02.10 a, 02.11 a, 02.12 a)
  - Tier III: 2 Requirements (02.15 a, b)

### 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 Requirements
  - Tier II: 6 Requirements (02.05 a, - d, 02.06 b, 02.09 b)
  - Tier III: 5 Requirements (02.13 a - b, 02.14 a - c)

### 71130.09 - Security Plan Changes

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

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

- (1) Since the last NRC inspection of this program area, Security Plan Revision 12 was implemented based on your determination, in accordance with 10 CFR 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 inspectors 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.

### **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) The inspectors reviewed Performance Indicator data from 3rd quarter 2019 through 2nd quarter 2020.

### **INSPECTION RESULTS**

No findings were identified.

### **EXIT MEETINGS AND DEBRIEFS**

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

- On July 23, 2020, the inspectors presented the security baseline inspection results to Mr. Paul Swift and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	4304174		
		4294680		
	4271390			
	4301680			
	4308104			
Corrective Action Documents Resulting from Inspection	4358311	NRC observation - Spare vital key/core accountability	07/22/2020	
	Procedures	SY-AA-101-112	Exelon Security Search Processes	Revision 37
		SY-GI-101-119-F-01	Material Search Officer Checklist	Revision 3
SY-GI-101-119-F-02		Vehicle Escort Officer Checklist	Revision 1	
71130.04	Drawings	11-1066-000	CAS Drawling	08/04/1978
	Procedures	SY-AA-101-122	Testing Security Equipment	Revision 22
		SY-AA-101-122-1001	Performance of Security System Tests	Revision 13
		SY-AA-101-122-1001-F-01	Special Purpose Detector Test Log	Revision 3
		SY-AA-101-122-1001-F-03	Lighting Test Log	Revision 1
		SY-AA-101-124	Operation of the Security Control Centers	Revision 15
		SY-AA-500-127	Safety / Security Interface	Revision 6
		SY-GI-101-102-1001	Site Specific Security System Component Degradation Compensatory Measures	Revision 11
71130.07	Corrective Action Documents Resulting from Inspection	4358200	NRC ID - Weapons Preemption Records	07/22/2020
	Procedures	SY-AA-1037	Avon Protective Respirator	Revision 1
SY-AA-150		Nuclear Security Training Program	Revision 5	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SY-AA-150-1009	Firearms Practice Range Management	Revision 1
		SY-AA-150-101	Exelon Nuclear Security Training	Revision 1
		SY-AA-150-102	Security Drills and Exercises	Revision 0
		SY-AA-150-104	Exelon Nuclear Security OJT Program	Revision 1
		SY-AA-150-105	Exelon Nuclear Security Physical Fitness Test Development, Approval & Conduct	Revision 1
		SY-GI-1000	Firearms Background Check	Revision 1
71130.09	Miscellaneous		GINNA AVERT Baseline - Modification Analysis for Defensive Strategy Optimization Project	11/05/2019
			R.E. Ginna Nuclear Power Plant Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Independent Spent Fuel Storage Installation Security Program	Revision 12
	Procedures	SY-GI-101-501	Station Security Defensive Strategy Procedure	Revision 12
71151	Procedures	LS-AA-2160	Monthly Data Elements for NRC Protected Area Security Equipment Performance Index	Revision 4
		SY-AA-101-155	Security Events and Nuclear Regulatory Commission Performance Indicators	Revision 9