



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

June 7, 2021

Mr. David Rhoades  
Senior Vice President  
Exelon Generation Company, LLC  
President and Chief Nuclear Officer  
Exelon Nuclear  
4300 Winfield Rd  
Warrenville, IL 60555

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT, LLC – NRC INSPECTION REPORT  
05000244/2021010

Dear Mr. Rhoades:

On May 20, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at R.E. Ginna Nuclear Power Plant, LLC and discussed the results of this inspection with Mr. Paul Swift, Site Vice President 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,

Glenn T. Dentel, Chief  
Engineering Branch 2  
Division of Operating Reactor Safety

Docket No. 05000244  
License No. DPR-18

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT, LLC – NRC INSPECTION REPORT  
05000244/2021010 DATED JUNE 7, 2021

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DOCUMENT NAME: G:\DRS\Engineering Branch 2\Branch Fire Protection Team  
Inspections\Triennial Fire Protection IRs\Ginna\Ginna FP 21010.docx  
ADAMS ACCESSION NUMBER: ML21155A020

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

Docket Number: 05000244

License Number: DPR-18

Report Number: 05000244/2021010

Enterprise Identifier: I-2021-010-0014

Licensee: Exelon Nuclear

Facility: R.E. Ginna Nuclear Power Plant, LLC

Location: Ontario, New York

Inspection Dates: May 03, 2021 to May 20, 2021

Inspectors: M. Patel, Senior Reactor Inspector  
C. Hobbs, Reactor Inspector  
B. Pinson, Reactor Inspector

Approved By: Glenn T. Dentel, Chief  
Engineering Branch 2  
Division of Operating Reactor Safety

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an NRC inspection at R.E. Ginna Nuclear Power Plant, LLC, 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

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." 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.

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 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. However, all the inspection activities were performed onsite.

## REACTOR SAFETY

### 71111.21N.05 - Fire Protection Team Inspection (FPTI)

#### Structures, Systems, and Components (SSCs) Credited for Fire Prevention, Detection, Suppression, or Post-Fire Safe Shutdown Review (IP Section 03.01) (4 Samples)

The inspectors verified that components and/or systems will function as required to support the credited functions stated for each sample. Additional inspection considerations are located in the fire hazards analysis (FHA) or safe shutdown analysis (SSA).

- (1) Fire Protection Water Supply System - Fire Pumps and Tank
- (2) Chemical and Volume Control System, including Alternate RCS Injection System
- (3) Standby Auxiliary Feedwater System
- (4) Fire Penetration Seals

#### Fire Protection Program Administrative Controls (IP Section 03.02) (2 Samples)

The inspectors verified that the selected control or process is implemented in accordance with the licensee's current licensing basis. If applicable, ensure that the licensee's FPP contains adequate procedures to implement the selected administrative control. Verify that the selected administrative control meets the requirements of all committed industry standards.

- (1) Combustible Control Program
- (2) Fire Brigade Training, Drills, and Qualifications

### Fire Protection Program Changes/Modifications (IP Section 03.03) (1 Sample)

The inspectors verified the following changes to the approved fire protection program do not constitute an adverse effect on the ability to safely shutdown.

- (1) ECP-19-000271-209-01-01, Replace S26 Alarm Check Valve and Install new electronic time delay vs. retard chamber to prevent inadvertent fire pump starts

### **INSPECTION RESULTS**

No findings were identified.

### **EXIT MEETINGS AND DEBRIEFS**

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

- On May 20, 2021, the inspectors presented the NRC inspection results to Mr. Paul Swift, Site Vice President and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.21N.05	Corrective Action Documents	4259521, 4277334, 4287990, 4319723, 4326202, 4366987, 4385406, 4388167, 4391803, 4404734, 4406238, 4416369		
	Corrective Action Documents Resulting from Inspection	4424323, 4424527, 4421635, 4424750, PCR 21-01606		
	Drawings	33013-1230	Alternate RCS Injection System (BDB) P&ID	Revision 7
		33013-1238	Standby Auxiliary Feedwater (FW) P&ID	Revision 44
		33013-1265	Auxiliary Control Building Chemical Volume Control System Charging (CVCS), Sheet 2	Revision 27
		33013-3131	SAFW and NFPA805 1000KW STANDBY DIESEL GENERATOR SETS	Revision 3
	Engineering Changes	ECP-12-000459, ESR-11-0050 ESR	DDSAFW Project Electrical Design and Installation	Revision 1
		ECP-14-000169	Alternate RCS Injection System	Revision 000
		ECP-19-000271	Replace S26 Alarm Check Valve	Revision 001
		ECP-21-000006	Extended Diesel Fire Pump Auto Start Test Frequency from Weekly to Monthly	Revision 000
	Miscellaneous	EPM-FPPR	R.E. Ginna Nuclear Power Plant Fire Protection Program	Revision 19
		GINNA UFSAR		Revision 29

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		LR-FWS-PROGPLAN	Fire Water System Program	Revision 9
		Technical Requirements Manual for R.E. Ginna Nuclear Power Plant		Revision 73
	Procedures	A-54.7	Fire Protection Tour	Revision 039
		ATT-18.1	Attachment Alternate RCS Injection / Standby Aux Feedwater	Revision 005
		ER-FIRE.0	Control Response to Fire Alarms and Reports	Revision 18
		ER-FIRE.1	Attachment 1, Shift Technical Advisor (STA)	Revision 042
		ER-FIRE.1	Attachment 4, Control Operator (CO)	Revision 050
		ER-FIRE.1	Attachment 8, Long Term DC Power Supply	Revision 050
		FPS-2	Ginna Station Fire Barrier Penetration Seal Program	Revision 9
		FPS-3	Fire Barrier Inspection Program	Revision 5
		FPS-7	Velocity Flush of the Fire Water System	completed 04/16/2018
		FSG-4	ELAP DC Bus Load Shed / Management	Revision 003
		OP-AA-102-106	Operator Response Time Program	Revision 7
		OP-GI-102-106	Operator Response Time Program at Ginna Station	Revision 12
		STP-O-40.10	Alternate RCS Injection System Flow Test (PCH02, PDB07A, PDB07B)	completed 11/03/2020
		STP-O-40.11	Alternate RCS Injection System Portable Diesel Run and Pump Flow Test (PBD04)	completed 10/22/2020
		Work Orders	C93709945, C93710744, C93719069, C93720739	