



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE RD, STE 102
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September 21, 2022

David P. Rhoades
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear Officer (CNO)
Constellation Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT – EMERGENCY PREPAREDNESS
BIENNIAL EXERCISE INSPECTION REPORT 05000244/2022501

Dear David Rhoades:

On September 1, 2022, 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 Daren Blankenship, 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,

Daniel L. Schroeder, Chief
Security, Emergency Preparedness and
Incident Response Branch
Division of Radiological Safety and Security

Docket No. 05000244
License No. DPR-18

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT – EMERGENCY PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT 05000244/2022501 DATED SEPTEMBER 21, 2022

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

Docket Number: 05000244

License Number: DPR-18

Report Number: 05000244/2022501

Enterprise Identifier: I-2022-501-0006

Licensee: Constellation Energy Generation, LLC

Facility: R.E. Ginna Nuclear Power Plant

Location: Ontario, New York

Inspection Dates: August 29, 2022 to September 1, 2022

Inspectors: J. Ambrosini, Senior Emergency Preparedness Inspector
J. Lilliendahl, Senior Emergency Response Coordinator
M. Patel, Senior Reactor Inspector
C. Swisher, Resident Inspector

Approved By: Daniel L. Schroeder, Chief
Security, Emergency Preparedness and
Incident Response Branch
Division of Radiological Safety and Security

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an emergency preparedness biennial exercise 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

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.

REACTOR SAFETY

71114.01 - Exercise Evaluation

Inspection Review (IP Section 02.01-02.11) (1 Sample)

- (1) The inspectors evaluated the biennial emergency plan exercise. The exercise scenario simulated a loss of offsite power with a concurrent loss of an emergency diesel generator, a reactor coolant system leak inside containment, the loss of the remaining emergency diesel generator, and a containment penetration failure resulting in minimal offsite dose consequences on August 30, 2022.

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

- (1) The inspectors evaluated the following submitted Emergency Action Level and Emergency Plan changes.
 - 21-62, EP-AA-1012, Addendum 3, Emergency Action Levels for Ginna Station, Revision 8
 - 22-22, EP-AA-120-1001, Addendum 3, Appendix 1, R.E. Ginna EAL Wallboard, Revision 2

This evaluation does not constitute NRC approval.

71114.08 - Exercise Evaluation - Scenario Review

Inspection Review (IP Section 02.01 - 02.04) (1 Sample)

- (1) The inspectors reviewed and evaluated the proposed scenario for biennial emergency plan exercise on July 15, 2022.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

EP01: Drill/Exercise Performance (DEP) (IP Section 02.12) (1 Sample)

(1) July 1, 2021 through June 30, 2022

EP02: Emergency Response Organization (ERO) Drill Participation (IP Section 02.13) (1 Sample)

(1) July 1, 2021 through June 30, 2022

EP03: Alert and Notification System (ANS) Reliability (IP Section 02.14) (1 Sample)

(1) July 1, 2021 through June 30, 2022

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On September 1, 2022, the inspectors presented the emergency preparedness biennial exercise inspection results to Daren Blankenship, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.01	Miscellaneous		R. E. Ginna Nuclear Power Station 2022 Emergency Preparedness Biennial Exercise Scenario	06/30/2022
		EP-AA-1000	Exelon Nuclear Standardized Radiological Emergency Plan	Revision 33
		EP-AA-1012	Exelon Nuclear Radiological Emergency Plan Annex for Ginna Station	Revision 8