



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD., Suite 100
KING OF PRUSSIA, PA 19406-2713

September 26, 2017

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

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT, LLC - NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NO.
05000244/2017502

Dear Mr. Hanson:

On August 24, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the August 22, 2017, evaluated emergency preparedness exercise at your R.E. Ginna Nuclear Power Plant, LLC (Ginna). The enclosed inspection report documents the inspection results, which were discussed on August 24, 2017, with Mr. William Carsky, Site Vice President, and other members of the Ginna staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings were identified.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the

Publicly Available Records (PARS) component of the NRC's document system, Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Raymond R. McKinley, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket No. 50-244
License No. DPR-18

B. Hanson

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Enclosure:

Inspection Report 05000244/2017502

w/Attachment: Supplementary Information

cc w/encl: Distribution via ListServ

S. O'Neill, RAC Chair, DHS/FEMA, Region II

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT, LLC - NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NO.
05000244/2017502 DATED SEPTEMBER 26, 2017

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U.S. NUCLEAR REGULATORY COMMISSION**REGION I**

Docket No: 50-244

License No: DPR-18

Report No: 05000244/2017502

Licensee: Exelon Generation Company, LLC

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

Location: Ontario, New York

Dates: August 21 – 24, 2017

Inspectors: J. Ambrosini, Sr. Emergency Preparedness Inspector, Division of Reactor
Safety (DRS), Region I
J. DeBoer, Emergency Preparedness Inspector, DRS, Region I
P. Elkmann, Sr. Emergency Preparedness Inspector, DRS, Region IV
B. Fuller, Senior Operations Inspector, DRS, Region I
J. Lilliendahl, Senior Emergency Response Coordinator, DRS, Region I
S. Obadina, Project Engineer, Division of Reactor Projects (DRP),
Region I (in training)

Approved By: Raymond R. McKinley, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000244/2017502; 8/21/2017-8/24/2017; Exelon Generation Company, LLC; R.E. Ginna Nuclear Power Plant, LLC (Ginna); Exercise Evaluation, Exercise Evaluation – Scenario Review, Performance Indicator Verification.

This was an announced inspection conducted by six Region-based inspectors. No findings were identified during the inspection. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 5.

Cornerstone: Emergency Preparedness

No findings were identified.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01 – 1 sample)

a. Inspection Scope

On August 22, 2017, Exelon conducted a biennial emergency preparedness exercise at the R.E. Ginna Nuclear Power Plant. The NRC inspectors evaluated the adequacy of the licensee's conduct of the exercise and its capability to assess the Exelon staff's performance via a formal critique process, as required by Title 10 of the *Code of Federal Regulations* (10 CFR) 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

The exercise evaluation consisted of the following review and assessment:

- The adequacy of Exelon's performance in the biennial full-participation exercise regarding the implementation of the planning standards described in 10 CFR 50.47(b)(4), (5), (9), and (10), which are: emergency classification, offsite notification, radiological assessment, and, onsite protective actions and public protective action recommendations, respectively.
- The overall adequacy of Exelon's emergency response facilities with regard to Ginna Emergency Plan commitments. The facilities assessed were the Control Room Simulator, the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility.
- A review of other performance areas, such as: the licensee emergency response organization's (ERO) recognition of abnormal plant conditions, command and control, intra- and inter-facility communications, prioritization of mitigating activities, utilization of repair and field monitoring teams, interface with offsite agencies, staffing and procedure adequacy, and, the overall implementation of the Ginna Emergency Plan and its implementing procedures.
- A review of past performance issues from the last NRC Ginna exercise inspection report and Exelon's emergency preparedness drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the August 22, 2017, exercise and to ensure compliance with 10 CFR 50.47(b)(14).
- The licensee's post-exercise critiques, to evaluate Exelon's self-assessment of its ERO performance during the August 22, 2017, exercise and to ensure compliance with 10 CFR Part 50, Appendix E, Section IV.F.2.g.

Documents reviewed for each section of this inspection report are listed in the Attachment.

b. Findings

No findings were identified.

1EP8 Exercise Evaluation – Scenario Review (71114.08 – 1 sample)

a. Inspection Scope

Prior to the August 22, 2017, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which Exelon had submitted to the NRC, to determine if the exercise would test major elements of the Ginna Emergency Plan as required by 10 CFR 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

b. Findings

No findings were identified.

4. OTHER ACTIVITIES (OA)

4OA1 Performance Indicator Verification (71151 – 3 Samples)

a. Inspection Scope

The inspectors reviewed data for the Ginna Emergency Preparedness performance indicators, which are: (1) Drill and Exercise Performance, (2) ERO Drill Participation, and, (3) Alert and Notification System Reliability. The last emergency preparedness inspection at Ginna was conducted in the third calendar quarter of 2016, so the inspectors reviewed supporting documentation from emergency preparedness drills and tests from the third calendar quarter of 2016 through the second calendar quarter of 2017, to verify the accuracy of the reported performance indicator data. The review of these performance indicators was conducted in accordance with NRC Inspection Procedure 71151, using the acceptance criteria documented in Nuclear Energy Institute Document 99-02, "Regulatory Assessment Performance Indicator Guidelines," Revision 7.

This inspection activity represented the completion of three samples.

b. Findings

No findings were identified.

4OA6 Meetings, including Exit

On August 24, 2017, the inspectors presented the results of this inspection to Mr. W. Carsky, Site Vice President, and other members of the Exelon staff. The inspectors verified that no proprietary information was retained by the inspectors or documented in this report.

ATTACHMENT**SUPPLEMENTAL INFORMATION****KEY POINTS OF CONTACT****Licensee Personnel**

W. Carsky, Site Vice President

V. Cwietniewicz, Exelon Mid-Atlantic Emergency Planning Manager

J. Jackson, Ginna Emergency Planning Manager

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None.

LIST OF DOCUMENTS REVIEWED**Section 1EP1: Exercise Evaluation**

EP-AA-1000, Exelon Nuclear Standardized Emergency Plan (Revision 028)

EP-AA-1012, Exelon Ginna Station Emergency Plan Annex (Revision 003)

R.E. Ginna Emergency Plan Implementing Procedures

R.E. Ginna August 22, 2017, Emergency Exercise Scenario Package

Condition Reports

4044255	4044720	4044864
4044345	4044725	4044905
4044508	4044763	4044918
4044515	4044767	4045021
4044540	4044797	4045028
4044553	4044801	4045032
4044564	4044824	4045044
4044581	4044835	4045054
4044601	4044844	4045092
4044603	4044845	4045205
4044716	4044851	4045309
4044719	4044862	4045416
4045433		

Section 1EP8: Exercise Evaluation – Scenario Review

EP-AA-1000, Exelon Nuclear Standardized Emergency Plan (Revision 028)

EP-AA-1012, Exelon Ginna Station Emergency Plan Annex (Revision 003)

R.E. Ginna August 22, 2017, Emergency Exercise Scenario Package

Section 4OA1: Performance Indicator (PI) Verification

EP-AA-125-1001, EP Performance Indicator Guidance, Revision 9

DEP PI data, July 2016 – June 2017

ERO Drill Participation PI data, July 2016 – June 2017

ANS Reliability PI data, July 2016 – June 2017

LIST OF ACRONYMS

CFR	<i>Code of Federal Regulations</i>
ERO	Emergency Response Organization
NRC	Nuclear Regulatory Commission