



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

June 4, 2015

Mr. Joseph E. Pacher
Site Vice President
R.E. Ginna Nuclear Power Plant, LLC
Exelon Generation Company, LLC
1503 Lake Road
Ontario, NY 14519

SUBJECT: R.E. GINNA NUCLEAR POWER PLANT, LLC - NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NO.
05000244/2015502

Dear Mr. Pacher:

On April 30, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the April 28, 2015, 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 April 30, 2015, with you and other members of your 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 Donald E. Jackson for/

Anthony Dimitriadis, Chief
Plant Support Branch 1
Division of Reactor Safety

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

Mr. Joseph E. Pacher
Site Vice President
R.E. Ginna Nuclear Power Plant, LLC
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Plant Support Branch 1
Division of Reactor Safety

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DOCUMENT NAME: G:\DRS\Plant Support Branch 1\Barr\EP Ex15 Ginna\Ginna EP EX 2015 Report.docx
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NAME	SBarr/JC	DSchroeder	ADimitriadis/DEJ		
DATE	6/3/15	6/3/15	6/4/15		

OFFICIAL RECORD COPY

J. Pacher

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Enclosure:

NRC Inspection Report No. 05000244/2015502

cc w/encl: Distribution via ListServ

W. Cullen, Acting RAC Chair, FEMA Region II

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No: 50-244

License No: DPR-18

Report No: 05000244/2015502

Licensee: Exelon Generation Company, LLC

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

Location: Ontario, New York

Dates: April 27-30, 2015

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector, Division of Reactor
Safety (DRS), Region I (Lead)
N. Perry, Senior Resident Inspector, Ginna, Division of Reactor Projects
(DRP), Region I
B. Fuller, Senior Operations Inspector, DRS, Region I
P. Presby, Senior Operations Inspector, DRS, Region I
D. Everhart, Physical Security Inspector, DRS, Region I
S. Horvitz, Project Engineer, DRP, Region I

Approved By: Anthony Dimitriadis, Chief
Plant Support Branch 1
Division of Reactor Safety

SUMMARY OF FINDINGS

IR 05000244/2015502; 4/27/2015-4/30/2015; Exelon Generation Company, LLC; R.E. Ginna Nuclear Power Plant, LLC (Ginna); Exercise Evaluation – Scenario Review – Performance Indicator Review.

This was an announced inspection conducted by five Region I-based inspectors and one senior resident inspector. 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.

No findings were identified.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP7 Exercise Evaluation – (71114.07 – 1 Sample)

a. Inspection Scope

On April 28, 2015, Exelon conducted a biennial Ginna emergency preparedness exercise. The inspectors evaluated the adequacy of the licensee's conduct of the exercise, the performance of the Ginna emergency response organization to respond to the simulated emergency, and Exelon's capability to assess their own staff performance via a formal critique process, as required by Title 10 of the *Code of Federal Regulations* (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; onsite protective actions; and public protective action recommendations, respectively.
- The overall adequacy of Exelon's emergency response facilities (ERF) with regard to Emergency Plan commitments. The ERFs assessed were: the Control Room Simulator, the Technical Support Center (TSC), and the Emergency Operations Facility (EOF).
- 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 emergency plan and its implementing procedures.
- A review of past performance issues from the last NRC Ginna exercise inspection report and Exelon's EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the April 28, 2015, exercise and to ensure compliance with 10 CFR 50.47(b)(14).
- A review of the licensee's post-exercise critiques, to evaluate Exelon's self-assessment of its Ginna ERO performance during the April 28, 2015, exercise and to ensure compliance with 10 CFR Part 50, Appendix E, Section IV.F.2.g.

The inspectors reviewed the documents listed in the attachment to this report.

Enclosure

b. Findings

No findings were identified.

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

a. Inspection Scope

Prior to the April 28, 2015, EP 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 Title 10 of the *Code of Federal Regulations* (CFR) 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

The inspectors reviewed the documents listed in the attachment to this report.

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 EP Performance Indicators (PI), which are: (1) Drill and Exercise Performance (DEP); (2) ERO Drill Participation; and, (3) Alert and Notification System (ANS) Reliability. The last EP inspection at Ginna was conducted in the third calendar quarter of 2014, so the inspectors reviewed supporting documentation from EP drills and tests from the third calendar quarter of 2014 through the first calendar quarter of 2015, to verify the accuracy of the reported PI data. The review of these PIs was conducted in accordance with NRC Inspection Procedure 71151, using the acceptance criteria documented in NEI 99-02, "Regulatory Assessment Performance Indicator Guidelines" Revision 6.

This inspection activity represented the completion of three samples.

b. Findings

No findings were identified.

4OA6 Meetings, including Exit

On April 30, 2013, the inspectors presented the results of this inspection to Mr. J. Pacher, 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.

Enclosure

ATTACHMENT

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

J. Pacher, 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 26)
EP-AA-1012, Exelon Ginna Station Emergency Plan Annex (Revision 0)
R.E. Ginna Emergency Plan Implementing Procedures
R.E. Ginna April 28, 2015, Emergency Exercise Scenario Package
R.E. Ginna Emergency Preparedness Drill Reports, January 2014 - March 2015
Condition Reports generated as a result of the April 28, 2015, exercise (As documented in
Ginna 2015 Graded Exercise Evaluation Report, dated May 26, 2015)

Section 1EP8: Exercise Evaluation – Scenario Review

EP-AA-1000, Exelon Nuclear Standardized Emergency Plan (Revision 26)
EP-AA-1012, Exelon Ginna Station Emergency Plan Annex (Revision 0)
R.E. Ginna April 28, 2015, Emergency Exercise Scenario Package

Section 4OA1: Performance Indicator (PI) Verification

LS-AA-2110, Monthly Data Elements for NRC Emergency Response Organization (ERO)
Drill Participation (Revision 6)
LS-AA-2120, Monthly Data Elements for NRC Drill/Exercise Performance (Revision 4)
LS-AA-2130, Monthly Data Elements for NRC Alert and Notification System (ANS) Reliability
(Revision 5)
EP-AA-125-1001, EP Performance Indicator Guidance (Revision 7)
DEP PI data, July 2014 – March 2015
ERO Drill Participation PI data, July 2014 – March 2015
ANS Reliability PI data, July 2014 – March 2015

LIST OF ACRONYMS

ADAMS	Agencywide Documents Access and Management System
ANS	Alert Notification System
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERF	Emergency Response Facilities
ERO	Emergency Response Organization
NRC	Nuclear Regulatory Commission
PI	Performance Indicator
TSC	Technical Support Center