



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

December 6, 2011

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

SUBJECT: R. E. GINNA NUCLEAR POWER PLANT – NRC EVALUATED EMERGENCY  
PREPAREDNESS EXERCISE – INSPECTION REPORT 05000244/2011502

Dear Mr. Pacher:

On October 28, 2011, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the October 25, 2011, evaluated emergency preparedness exercise at your R. E. Ginna Nuclear Power Plant. The enclosed inspection report documents the inspection results, which were discussed on October 28, 2011, 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 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,

A handwritten signature in black ink that reads "Jim Trapp".

James M. Trapp, Chief  
Plant Support Branch 1  
Division of Reactor Safety

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

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Sincerely,

*/RA/*

James M. Trapp, Chief  
 Plant Support Branch 1  
 Division of Reactor Safety

SUNSI Review Complete: JMT (Reviewer's Initials)

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DATE	12/6/11	12/6/11	12/6/11				

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J. Pacher

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Docket Nos.: 50-244  
License Nos.: DPR-18

Enclosure:  
NRC Inspection Report 05000244/2011502

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No.: 05000244

License No.: DPR-18

Report No.: 05000244/2011502

Licensee: Constellation Energy Nuclear Group, LLC

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

Location: Ontario, NY

Dates: October 24-28, 2011

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector,  
Division of Reactor Safety (DRS), Region I (Lead)  
K. Kolaczyk, Senior Resident Inspector, Nine Mile Point,  
Division of Reactor Projects, Region I  
P. Presby, Senior Operations Engineer, DRS, Region I  
R. Rolph, Health Physicist, DRS, Region I

Approved by: James M. Trapp, Chief  
Plant Support Branch 1  
Division of Reactor Safety

Enclosure

## SUMMARY OF FINDINGS

IR 05000244/2011502; 10/24/2011 - 10/28/2011; R. E. Ginna Nuclear Power Plant; Exercise Evaluation; Emergency Action Level and Emergency Plan Changes; Emergency Preparedness Performance Indicators.

This was an announced inspection conducted by four region-based inspectors. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 4, dated December 2006.

### **Cornerstone: Emergency Preparedness**

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Findings

None.

## REPORT DETAILS

### 1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

#### 1EP1 Exercise Evaluation (71114.01 – 1 Sample)

##### a. Inspection Scope

Prior to the October 25, 2011, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which Constellation had submitted to the NRC, to determine if the exercise would test major elements of the R. E. Ginna Emergency Response Plan 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 Constellation's performance in the biennial full-participation exercise regarding the implementation of the risk-significant planning standards (RSPS) described in 10 CFR 50.47(b)(4), (5), (9), and (10), which are: emergency classification; offsite notification; radiological assessment; and protective action recommendations, respectively.
- The overall adequacy of Constellation's Ginna emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities," and Emergency Plan commitments. The facilities assessed were the Control Room Simulator, Technical Support Center (TSC), Emergency Operations Facility (EOF), and the Joint Information Center (JIC).
- A review of other performance areas, such as: the Ginna 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 EP exercise inspection report and Constellation's Ginna EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the October 25, 2011, exercise, and to ensure compliance with 10 CFR 50.47(b)(14).
- The licensee's post-exercise critiques, to evaluate Constellation's self-assessment of its ERO performance during the October 25, 2011, Ginna exercise, and to ensure compliance with 10 CFR Part 50, Appendix E, Section IV.F.2.g.

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

b. Findings

No findings were identified.

1EP4 Emergency Action Level and Emergency Plan Changes (71114.04 – 1 Sample)

a. Inspection Scope

Since the last NRC inspection of this program area, in February 2010, Constellation implemented various revisions of the different sections of the Ginna Emergency Response Plan. Constellation had determined that, in accordance with 10 CFR 50.54(q), any change made to the Plan, and its lower-tier implementing procedures, had not resulted in any decrease in effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR Part 50. The inspectors reviewed all emergency action level (EAL) changes that Constellation had made since February 2010, and conducted a sampling review of other Emergency Plan changes, including the changes to lower-tier emergency plan implementing procedures, to evaluate for any potential decreases in effectiveness of the Emergency Plan. However, this review was not documented in an NRC Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

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 PIs, which are: (1) Drill and Exercise Performance (DEP); (2) ERO Drill Participation; and, (3) Alert and Notification System (ANS) Reliability. The last NRC EP inspection at Ginna was conducted in the first quarter of 2010, so the inspectors reviewed supporting documentation from EP drills, training records, and equipment tests from the first calendar quarter of 2010 through the third quarter of 2011, to verify the accuracy of the reported PI data. The review of these performance indicators (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 on an annual cycle.

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b. Findings

No findings were identified.

4OA6 Meetings, including Exit

On October 28, 2011, the inspectors presented the results of this inspection to Mr. J. Pacher, Site Vice President, and other members of the Constellation staff. No proprietary information was provided to the inspectors during this inspection.

Enclosure

**ATTACHMENT**

**SUPPLEMENTAL INFORMATION**

**KEY POINTS OF CONTACT**

**Licensee Personnel**

J. Pacher, Ginna Site Vice President  
R. Freeman, Jr., Fleet Director – Emergency Preparedness

**LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED**

None

**LIST OF DOCUMENTS REVIEWED**

**Section 1EP1: Exercise Evaluation**

R. E. Ginna Nuclear Emergency Response Plan (Revision 31)  
R. E. Ginna Nuclear Power Plant Emergency Plan Implementing Procedures  
R. E. Ginna Nuclear Power Plant October 25, 2011, Emergency Exercise Scenario Package  
CNG-EP-1.01-1006, Drill and Exercise Scheduling and Preparation (Revision 0)  
CNG-EP-1.01-1007, Evaluation and Documentation of Drills, Exercises and Classified  
Events (Revision 0)  
R. E. Ginna Emergency Preparedness Drill Reports, January 2010 – September 2011  
Condition Reports generated from the October 25, 2011, Exercise

**Section 1EP4: Emergency Action Level and Emergency Plan Changes**

R. E. Ginna Nuclear Emergency Response Plan (Revision 31)  
CNG-NL-1.01-1011, 10 CFR 50.59/10 CFR 72.48 Applicability Determination, Screenings and  
Evaluations (Revision 2)  
CNG-EP-1.01-1002, Control of Emergency Preparedness Program Activities (Revision 0)  
CNG-EP-1.01-1004, 50.54(Q) Effectiveness Review (Revision 1)  
All Ginna 50.54(q) screenings performed February 2010-September 2011

**Section 40A1: Performance Indicator Verification**

CNG-EP-1.01-1001, Emergency Preparedness Program Responsibilities and  
Oversight (Revision 1)  
CNG-ML-1.01-1010, NRC and INPO Performance Indicator Reporting (Revision 5)  
Alert Notification System PI data, January 2010 – September 2011  
DEP PI data, January 2010 – September 2011  
ERO Drill Participation PI data, January 2010 – September 2011

**LIST OF ACRONYMS**

ADAMS	Agencywide Documents Access and Management System
ANS	Alert Notification System
CR	Condition Report
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
EAL	Emergency Action Level
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
JIC	Joint Information Center
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
NSIR	Office of Nuclear Security and Incident Response
PARS	Publicly Available Records
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center