

**Thomas Mogren**  
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**Constellation  
Energy**



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August 30, 2011

U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**ATTENTION:** Document Control Desk

**SUBJECT: R.E. Ginna Nuclear Power Plant**  
Docket No. 50-244

**Transmittal of 2011 Owner's Activity Report for the**  
**R.E. Ginna Nuclear Power Plant**

Enclosed is a copy of the R.E. Ginna Owner's Activity Report for the refueling outage conducted in 2011. This report is submitted as specified by ASME Code Section XI.

There are no regulatory commitments contained in this letter. Should you have questions regarding this matter, please contact Thomas Harding (585) 771-5219, or [Thomas.HardingJr@cengllc.com](mailto:Thomas.HardingJr@cengllc.com).

Very truly yours,



Thomas Mogren

Attachment: (1) FIFTH INSERVICE INSPECTION (ISI) INTERVAL and SECOND CONTAINMENT INSPECTION INTERVAL, FIRST INSPECTION PERIOD, 2011 OWNER'S ACTIVITY REPORT FOR RFO-35 INSERVICE EXAMINATIONS, (April 23, 2011 through June 9, 2011)

cc: W.M. Dean, NRC  
D.V. Pickett, NRC  
Resident Inspector, NRC (Ginna)

A047  
NRC

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## FIFTH INSERVICE INSPECTION (ISI) INTERVAL and SECOND CONTAINMENT INSPECTION INTERVAL

### FIRST INSPECTION PERIOD 2011 OWNER'S ACTIVITY REPORT FOR RFO-35 INSERVICE EXAMINATIONS (April 23, 2011 through June 9, 2011)

For




**R. E. Ginna Nuclear Power Plant  
1503 Lake Road  
Ontario, NY 14519**

Commercial Service Date: June 1, 1970  
NRC Docket Number: 50-244  
Revision Number: 00 Date: August 11, 2011

Prepared by: Frank A. Klepacki 8/11/2011  
Frank A. Klepacki – Site ISI Program Owner – R E Ginna

Reviewed by: Bernie C. Rudell 8/11/11  
Bernie C. Rudell – Principal Engineer – CENG Fleet Engineering Programs

Approved by: Jay Wells 8/11/11  
Jay Wells – General Supervisor - Engineering Programs – R E Ginna

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| <br>a joint venture of<br>  | <b>R. E. Ginna Nuclear Power Plant, Unit 1</b>  | Rev. 00<br>Date: 08/11/2011<br>Page i - 2 of i - 9 |
|  | <b>5<sup>th</sup> Interval Inservice Inspection and<br/> 2<sup>nd</sup> Interval Containment Inservice<br/> Inspection<br/> 2011 OWNER'S ACTIVITY REPORT<br/> FOR<br/> INSERVICE EXAMINATIONS</b> |  |

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|  | <b>R. E. Ginna Nuclear Power Plant, Unit 1</b>   | <b>Rev. 00</b>  |
|   | <b>5<sup>th</sup> Interval Inservice Inspection and<br/>2<sup>nd</sup> Interval Containment Inservice<br/>Inspection<br/>2011 OWNER'S ACTIVITY REPORT<br/>FOR<br/>INSERVICE EXAMINATIONS</b> | <b>Date: 08/11/2011</b><br><br><b>Page i - 3 of i - 9</b> |

## ABSTRACT

This Owner's Activity Report (OAR) summarizes the results of the R. E. Ginna Nuclear Power Plant (GNPP), Unit 1, American Society of Mechanical Engineers (ASME) Section XI Inservice Inspection Examinations performed during the 2011 Refueling Outage (RFO), from April 23, 2011 through June 9, 2011. The OAR is for the Fifth Interval Inservice Inspection Program, First Period and the Second Interval Containment Inservice Inspection Program, First Period. This report also covers associated Reactor Pressure Vessel (RPV) Fourth Interval examinations that were deferred in accordance with the Fourth Interval Relief Request Numbers 18, 19, 20 and 21. The RPV examinations were performed in accordance with ASME Section XI Code, 1995 Edition with the 1996 Addenda. The First Interval Containment Inservice Inspection Program was extended to align with the ISI Program interval in accordance with the Fourth Interval Inservice Inspection Program Relief Request Number 22.

As an alternate to the requirements of the ASME, Boiler and Pressure Vessel Code (B&PVC), Section XI, Article IWA-6000, GNPP has implemented ASME Code Case N-532-4, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000, Section XI, Division 1". ASME Code Case N-532-4 is approved for use in Regulatory Guide 1.147. This Report complies with the requirements of Code Case N-532-4.

### OWNER'S ACTIVITY REPORTS - FORM OAR-1

Owner's Activity Reports Form OAR-1's were prepared and certified upon completion of the GNPP Unit 1, 2011 refueling outage RFO-35 examination activity in accordance with the following inspection plans and schedules:

- Inservice Inspection Program Plan(s) for the Fifth Inspection Interval for GNPP Unit 1
- Long Term Plan for GNPP, Unit 1
- ISI Program Plan ASME XI, IWE/IWL Second Inspection Interval

In addition to the Owner's Activity Report, Form OAR-1, the following Tables are also included:

- a. **Items with Flaws or Relevant Conditions that Require Evaluation for Continued Service**, Table 1, provides a listing of item(s) with inservice flaws or relevant conditions that required evaluation to determine acceptability for continued service, whether or not the flaw or relevant condition was discovered during a scheduled examination or test, and provides such information as Examination Category, Examination Item Number, Item Description, Flaw Characterization (as required by IWA-3300).
- b. **Abstract of Repairs, Replacements or Corrective Measures Required for Continued Service**, Table 2, identifies those items containing flaws or relevant conditions that exceeded the ASME Section XI acceptance criteria IWX-3000. In the case of supports, the acceptance criteria is IWF-3000. The discovery of the flaw or relevant condition that necessitated the repair, replacement or corrective measure, may not have resulted from an examination or test required by Section XI Code. Table 2 provides information such as Code Class, whether the item is a repair, replacement or corrective action, item description, description of work, if the flaw or relevant condition was found during a scheduled Section XI Examination or test, date completed and the repair replacement plan number.

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|  | <b>R. E. Ginna Nuclear Power Plant, Unit 1</b>  | Rev. 00<br>Date: 08/11/2011<br>Page i - 4 of i - 9 |
|   | <b>5<sup>th</sup> Interval Inservice Inspection and<br/>         2<sup>nd</sup> Interval Containment Inservice<br/>         Inspection<br/>         2011 OWNER'S ACTIVITY REPORT<br/>         FOR<br/>         INSERVICE EXAMINATIONS</b> |  |

**FORM OAR-1 OWNER'S ACTIVITY REPORT**  
 As required by the provisions of the ASME Code Case N-532-4

Report Number GNPP-OAR-ISI-RPV-2011

Plant R. E. Ginna Nuclear Power Plant, 1503 Lake Road, Ontario, New York 14519  
 (Name and Address of Plant)

Unit No. 1 Commercial Service Date June 1, 1970 Refueling Outage Number RFO-35

Current Inspection Interval Fourth Inservice Inspection Interval - January 1, 2000 to June 9, 2011.  
 (1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period - January 1, 2007 to June 9, 2011  
 (1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1995 Edition, 1996 Addenda


Date and Revision of Inspection Plan 4 October 2010, Revision 1

Edition and Addenda of ASME Section XI applicable to repairs/replacements, if different than the Inspection Plan N/A

Code Cases used: N-532-4, N-695.

| CERTIFICATE OF CONFORMANCE  |                            |
|---|----------------------------|
| I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting completion of <u>2011 RFO (RFO-35)</u> conform to the requirements of Section XI. |                            |
| Certificate of Authorization No. <u>N/A</u>   | Expiration Date <u>N/A</u> |
| (If applicable)   |                            |
| Signed <u>Frank A Klepacki</u><br>(Site ISI Program Owner)  | Date <u>8/11/2011</u>      |

| CERTIFICATE OF INSERVICE INSPECTION  |   |
|--|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Hartford Steam Boiler (HSBCT)</u> of <u>Hartford, Connecticut</u> have inspected the items described in this Owner's Activity Report, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI. |   |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  |   |
| Bruce Sawyer<br>Inspector's Signature  | Commissions <u>NB10496, A, N, I; New York 4077</u><br>National Board, State, Province, and Endorsements |
| Date <u>8/11/2011</u>  |   |

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|---|--|--|
|  | <b>R. E. Ginna Nuclear Power Plant, Unit 1</b>   | Rev. 00<br>Date: 08/11/2011<br>Page i - 5 of i - 9 |
|   | <b>5<sup>th</sup> Interval Inservice Inspection and<br/>2<sup>nd</sup> Interval Containment Inservice<br/>Inspection<br/>2011 OWNER'S ACTIVITY REPORT<br/>FOR<br/>INSERVICE EXAMINATIONS</b> |  |

**FORM OAR-1 OWNER'S ACTIVITY REPORT**  
As required by the provisions of the ASME Code Case N-532-4

Report Number GNPP-OAR-ISI-2011

Plant R. E. Ginna Nuclear Power Plant, 1503 Lake Road, Ontario, New York 14519  
(Name and Address of Plant)

Unit No. 1 Commercial Service Date June 1, 1970 Refueling Outage Number RFO-35

Current Inspection Interval Fifth Inservice Inspection Interval - January 1, 2010 to December 31, 2019.  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period First Inservice Inspection Period - January 1, 2010 to December 31, 2012  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 2004 Edition, No Addenda


Date and Revision of Inspection Plan 4 October 2010, Revision 1

Edition and Addenda of ASME Section XI applicable to repairs/replacements, if different than the Inspection Plan N/A

Code Cases used: N-532-4, N-648-1, N-706, N-716, N-722, N-729-1

| CERTIFICATE OF CONFORMANCE  |                            |
|---|----------------------------|
| I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting completion of <u>2011 RFO (RFO-35)</u> conform to the requirements of Section XI. |                            |
| Certificate of Authorization No. <u>N/A</u><br>(If applicable)  | Expiration Date <u>N/A</u> |
| Signed <u>Frank A Klepacki</u><br>(Site ISI Program Owner)  | Date <u>8/11/2011</u>      |

| CERTIFICATE OF INSERVICE INSPECTION  |   |
|--|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Hartford Steam Boiler (HSBCT)</u> of <u>Hartford, Connecticut</u> have inspected the items described in this Owner's Activity Report, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI. |   |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  |   |
| <u>Bruce Sawyer</u><br>Inspector's Signature   | <u>NB10496, A. N. I; New York 4077</u><br>National Board, State, Province, and Endorsements |
| Date <u>8/11/2011</u>  |   |

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|  | <b>R. E. Ginna Nuclear Power Plant, Unit 1</b>  | Rev. 00<br>Date: 08/11/2011<br>Page i - 6 of i - 9 |
|   | <b>5<sup>th</sup> Interval Inservice Inspection and<br/>         2<sup>nd</sup> Interval Containment Inservice<br/>         Inspection<br/>         2011 OWNER'S ACTIVITY REPORT<br/>         FOR<br/>         INSERVICE EXAMINATIONS</b> |  |

**FORM OAR-1 OWNER'S ACTIVITY REPORT**  
 As required by the provisions of the ASME Code Case N-532-4

Report Number GNPP-OAR-IWE/L-2011

Plant R E Ginna Nuclear Power Plant, 1503 Lake Road, Ontario, New York 14519  
 (Name and Address of Plant)

Unit No. 1 Commercial Service Date June 1, 1970 Refueling Outage Number RFO-35

Current Inspection Interval Second Containment Inspection Interval – January 1, 2010 to December 31, 2019  
 (1st, 2nd, 3rd, 4th, Other)

Current Inspection Period First Inservice Inspection Period – January 1, 2010 to December 31, 2012  
 (1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plans 2004 Edition, No Addenda

Date and Revision of Inspection Plans 29 December 2009, Revision 0

Edition and Addenda of ASME Section XI applicable to repairs/replacements, if different than the Inspection Plan N/A

Code Cases used: N-532-4, N-686, N-739, N-753, N-686  
 (if applicable)


| CERTIFICATE OF CONFORMANCE  |                            |
|---|----------------------------|
| I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting completion of <u>2011 RFO (RFO-35)</u> conform to the requirements of Section XI. |                            |
| Certificate of Authorization No. <u>N/A</u><br>(If applicable)  | Expiration Date <u>N/A</u> |
| Signed <u>Frank A Klepacki</u><br>(Site ISI Program Owner)  | Date <u>8/11/2011</u>      |

| CERTIFICATE OF INSERVICE INSPECTION  |   |
|--|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Hartford Steam Boiler (HSBCT)</u> of <u>Hartford, Connecticut</u> have inspected the items described in this Owner's Activity Report, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI. |   |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  |   |
| Bruce Sawyer<br>Inspector's Signature  | Commissions <u>NB10496, A. N. I. New York 4077</u><br>National Board, State, Province, and Endorsements |
| Date <u>8/11/2011</u>  |   |







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|  <p><b>CENG</b><br/>a joint venture of<br/>Constellation Energy    EDF</p> | <b>R. E. Ginna Nuclear Power Plant, Unit 1</b>   | <b>Rev. 00</b>  |
|   | <b>5<sup>th</sup> Interval Inservice Inspection and<br/>2<sup>nd</sup> Interval Containment Inservice<br/>Inspection<br/>2011 OWNER'S ACTIVITY REPORT<br/>FOR<br/>INSERVICE EXAMINATIONS</b> | <b>Date: 08/11/2011</b><br><b>Page i - 9 of i - 9</b> |

**END OF INSERVICE INSPECTION  
OWNER'S ACTIVITY REPORT  
FOR  
2011 REFUELING OUTAGE (RFO-35)**