Thomas Mogren Manager – Engineering Services



R.E. Ginna Nuclear Power Plant LLC 1503 Lake Road Ontario, New York 14519-9364

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Thomas.Mogren@cengllc.com

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

<u>Transmittal of 2011 Owner's Activity Report for the</u> <u>R.E. Ginna Nuclear Power Plant</u>

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 <u>Thomas.HardingJr@cengllc.com</u>.

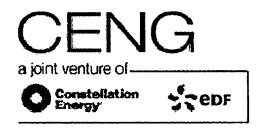
Very truly yours,

Thomas Mogrer

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)

4047



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:

Prepared by:

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August 11, 2011 Date:

mle Alepoche Klepacki – Site ISI Program Owner – R E Ginna 8/11/2011

Reviewed by: Bernie C. Rudell - Principal Engineer - CENG Fleet Engineering Programs

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Approved by

- General Supervisor - Engineering Programs – R E Ginna

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

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

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.

a joint venture of	R. E. Ginna Nuclear Power Plant, Unit 1 5 th Interval Inservice Inspection and 2 nd Interval Containment Inservice Inspection	Rev. 00 Date: 08/11/2011
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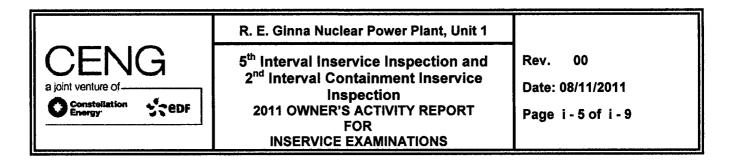
FORM OAR-1 OWNER'S ACTIVITY REPORT As required by the provisions of the ASME Code Case N-532-4

Report Number _	GNPP-OAR-IS	I-RPV-2011		
Plant R F	Ginna Nuclear Power Plant, 1503 Lake	Road Ontario Ne	w York 14519	
- Idinei		d Address of Plan		
Unit No. <u>1</u>	Commercial Service Date	1 <u>70</u> F	Refueling Outage Number <u>RFO-35</u>	
Current Inspection	n Interval <u>Fourth Inservice Inspection</u> (1st, 2nd, 3	nterval - January Brd, 4th, Other)	<u>y 1, 2000 to June 9, 2011.</u>	
Current Inspection	Period <u>Third Inservice Inspection</u> (1st,	<u>Period – January</u> 2nd, 3rd)	<u>1, 2007 to June 9, 2011</u>	
Edition and Adde	nda of Section XI applicable to the Inspe	ction Plan19	95 Edition, 1996 Addenda	
Date and Revisio	of Inspection Plan <u>4 October 2010</u>), Revision 1	· · · · · · · · · · · · · · · · · · ·	
Edition and Addend	a of ASME Section XI applicable to repairs/re	placements, if differe	ent than the Inspection PlanN/A	
Code Cases used:	N-532-4, N-695,			
	CERTIFICAT	E OF CONFOR	MANCE	<u></u>
the ASME Code			is and tests meet the Inspection Plan as required by ons supporting completion of <u>2011 RFO (RFO-35)</u>	
Certificate of Au	horization No N/A		Expiration Date N/A	
Signed <u>Frank</u> (Site	A Klepacki Frank H	^{able)} Cepacki	Date 8/11/2011	
<u> </u>		<u>-12).20.1002-0.21011-0.000</u>		
	CERTIFICATE O	F INSERVICE IN	ISPECTION	
			iler and Pressure Vessel Inspectors and the State o	

1 1041100 0		inployed by <u>managed or</u>	That a second a secon	
have inspe	ted the items describe	ed in this Owner's Activi	ity Report, and state that to the best of my knowledge and belief, the Owner h	as
			ordance with the requirements of Section XI.	
By	igning this certificate	neither the Inspector no	or his employer makes any warranty, expressed or implied, concerning the	
repair/repla	cement activities and	evaluation described in	this report. Furthermore, neither the Inspector nor his employer shall be liable	3
in any man	ner for any personal in	jury or phoperty damage	e or a loss of any kind arising from or connected with this inspection.	
		V		
Bruce Say	wer buce	Saufur	Commissions NB10496, A, N, I; New York 4077	
1	vyer Succession Signature		National Board, State, Province, and Endorsements	

Date

awyer Bruce	Saufur	Commissions NB10496, A, N, I; New York 4077
Inspector's Signature		National Board, State, Province, and Endorsements
8/11/2011		



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 <u>R. E.</u>	. Ginna Nuclear Power Plant, 1503 Lake Road, Ontario, New York 14519 (Name and Address of Plant)
Unit No1	Commercial Service Date <u>June 1, 1970</u> Refueling Outage Number_RFO-35
Current Inspectior	n Interval <u>Fifth Inservice Inspection Interval - January 1, 2010 to December 31, 2019.</u> (1st, 2nd, 3rd, 4th, Other)
Current Inspection	n Period <u>First Inservice Inspection Period – January 1, 2010 to December 31, 2012</u> (1st, 2nd, 3rd)
Edition and Adder	nda of Section XI applicable to the Inspection Plan2004 Edition, No Addenda
Date and Revision	n of Inspection Plan 4 October 2010, Revision 1
Edition and Addend	a of ASME Section XI applicable to repairs/replacements, if different than the Inspection PlanN/A
Code Cases used:_	N-532-4, N-648-1, N-706, N-716, N-722, N-729-1
	CERTIFICATE OF CONFORMANCE

Certificate of Authorization No. N/A Expiration Date	
	<u>N/A</u>
Signed <u>Frank A Klepacki</u> Frank <u>Frank A Klepacki</u> <u>Frank A Klepacki</u> <u>Date</u> <u>8/11</u> (Site ISI Program Owner)	1 2011

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Province of <u>New York</u> and employed by <u>Hartford Steam Boiler (Hartford Steam Boiler)</u> have inspected the items described in this Owner's Activity Report, an performed all activities represented by this report in accordance with the	<u>HSBCT</u> of <u>Hartford</u> , <u>Connecticut</u> d state that to the best of my knowledge and belief, the Owner has
By signing this certificate neither the Inspector nor his employe repair/replacement activities and evaluation described in this report. F	er makes any warranty, expressed or implied, concerning the urthermore, neither the Inspector nor his employer shall be liable
in any manner for any personal injury or property damage or a loss of Bruce Sawyer	any kind arising from or connected with this inspection. Commissions NB10496, A. N. I: New York 4077
Inspector's Signature	National Board, State, Province, and Endorsements

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

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

	/10/00/01/04/03			
Report Number	GNP	P-OAR-IWE/L-2011		
Plant <u>R E Gir</u>	na Nuclear Power Plant, 15	03 Lake Road, Ontario, I (Name and Address of P	New York 14519 'lant)	·····
Unit No. <u>1</u> C	ommercial Service Date	June 1, 1970	_ Refueling Outage Nu	umber <u>RFO-35</u>
Current Inspection In	nterval <u>Second Contain</u> (ment Inspection Interval 1st, 2nd, 3rd, 4th, Other)		<u>ecember 31, 2019</u>
Current Inspection F	eriod First Inservice In	<u>spection Period – Januar</u> (1st, 2nd, 3rd)	<u>y 1, 2010 to December</u>	<u>31, 2012</u>
Edition and Addenda	a of Section XI applicable to	the Inspection Plans	2004 Edition, No Add	lenda
Date and Revision o	f Inspection Plans29_	December 2009, Revisio	<u>vn 0</u>	
	f ASME Section XI applicable to N-532-4, N-686, N-739, N-75	• •	ferent than the Inspection	PlanN/A
the ASME Code, S conform to the required Certificate of Author	statements made in this report ection XI; and (c) the repair/rep urements of Section XI.	lacement activities and eval	ations and tests meet the li uations supporting comple	etion of <u>2011 RFO (RFO-35)</u>
Signed <u>Frank A</u> (Site ISI	Klepacki Fronk Program Owner)	A Nepacki	Date	8/11/2011
(
Province of <u>New</u> have inspected the performed all activi By signing repair/replacement in any manner for a <u>Bruce Sawyer</u>	holding a valid commission issu <u>York</u> and employed by <u>Hartf</u> items described in this Owner's ties represented by this report in this certificate neither the Inspec- activities and evaluation descri- any personal injury or property of <u>Signature</u>	ord Steam Boiler (HSBCT) s Activity Report, and state t n accordance with the requi ctor nor his employer makes bed in this report. Furthermo lamage or a loss of any kind Commis	of Boiler and Pressure Vest of <u>Ha</u> that to the best of my know rements of Section XI. s any warranty, expressed ore, neither the Inspector r	rtford, Connecticut vledge and belief, the Owner has or implied, concerning the nor his employer shall be liable d with this inspection. New York 4077

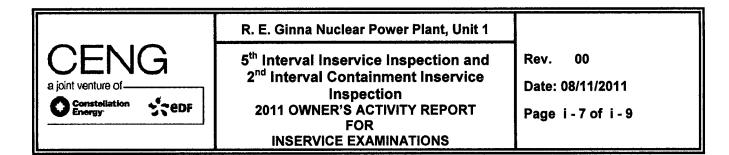


TABLE 1 ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRE EVALUATION FOR CONTINUED SERVICE

As required by the provisions of the ASME Code Case N-532-4

		1
EXAMINATION CATEGORY AND ITEM NUMBER	ITEM DESCRIPTION	EVALUATION DESCCRIPTION
B-P, B15.80 Code Case N-722 ISI Fourth Interval Relief Request Number 24 ISI Summary Number I411111	Reactor Pressure Vessel (RPV) Bottom Mounted Instrumentation, Penetration #31 (A86/J-12), Ultrasonic (UT) examination was performed as required by Relief Request Number 24 and an indication identified that was determined to be rejectable in accordance with IWB-3000.	Engineering Analytical Evaluation was performed to satisfy the requirements of IWB-3660 demonstrates acceptance for a one additional cycle. A second Analytical Evaluation was performed by Westinghouse and justified operation for an additional 40 years until May 2051.
B-N-3, B13.70 ISI Summary Number I000800	Reactor Pressure Vessel (RPV) Core Support Structure Baffle Bolt Replacement Baseline VT examination notes that three (3) baffle bolt locations no longer have a bolt there. Bolt replacement attempts experienced problems resulting in the elimination of three bolts.	Engineering Analytical Evaluation was performed under ECP-10-000422. The evaluation shows the condition is acceptable until the next 10-Year ISI RPV Core Support Structure Examination.
Reactor Vessel Internals Program LR-RVI-PROGPLAN Revision 2, Attachment D Baffle-Former Assembly Baffle Former Bolts.	Reactor Vessel Internals Program UT examinations of Baffle Former Bolts identified one bolt with a rejectable indication.	Engineering Analytical Evaluation was performed under ECP-10-000422. This plant specific evaluation shows the baffle-former bolting condition is acceptable for 10 additional years of operation when re-examination or replacement is planned.

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	R. E. Ginna Nuclear Power Plant, Unit 1		
a joint venture of Constellation	5 th Interval Inservice Inspection and 2 nd Interval Containment Inservice Inspection 2011 OWNER'S ACTIVITY REPORT FOR INSERVICE EXAMINATIONS	Rev. 00 Date: 08/11/2011 Page i - 8 of i - 9	

TABLE 2 ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE As required by the provisions of the ASME Code Case N-532-4

CODE CLASS	ITEM DESCRIPTION	DESCRIPTION OF WORK	DATE COMPLETED	REPAIR/REPLACEMENT PLAN NUMBER
2	AFU-227, Mechanical Snubber, PSA-3	Snubber Functional Test Failure - Replaced Mechanical Snubber on component support AFU-227.	June 2011	GORR 35-076 (WO C90797825)
1	Reactor Coolant Pump (RCP) "A", Stud # 8, ASME Category B-G-1 Item Number B6.180 ISI Summary Number I600049.	Ultrasonic examination performed on all 24 studs identified an indication in one stud (#8) that could not be sized for evaluation. Therefore, stud #8 was rejected and replaced with new stud #25. Stud #25 was a like-for-like replacement; UT baseline examination was performed and acceptable. UT bolting examination on the remaining 23 RCP "A" studs were acceptable. An expansion was performed to the 24 RCP "B" studs, UT examined and all acceptable.	June 2011	GORR 35-090 (WO C20900841)
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	R. E. Ginna Nuclear Power Plant, Unit 1	
a joint venture of	5 th Interval Inservice Inspection and 2 nd Interval Containment Inservice Inspection 2011 OWNER'S ACTIVITY REPORT FOR INSERVICE EXAMINATIONS	Rev. 00 Date: 08/11/2011 Page i - 9 of i - 9

END OF INSERVICE INSPECTION

OWNER'S ACTIVITY REPORT

FOR

2011 REFUELING OUTAGE (RFO-35)