

Constellation Energy
Nuclear Generation Group

June 11, 2008

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 1; Docket No. 50-317
Inservice Inspection Report

REFERENCE: (a) American Society of Mechanical Engineers, Boiler & Pressure Vessel
Code, Section XI, Article IWA-6000

Pursuant to Reference (a), please find enclosed the Inservice Inspection Report for the Calvert Cliffs Nuclear Power Plant Unit 1. This inspection fulfilled the intentions and requirements stated in our commitment to comply with the American Society of Mechanical Engineers, Boiler & Pressure Vessel Code, Section XI, Inservice Inspection Requirements.

Should you have questions regarding this matter, please contact Mr. Jay S. Gaines at (410) 495-5219.

Very truly yours,

Mark D. Flaherty
Manager – Engineering Services

MDF/RDW/bjd

Enclosure: (1) 2008 Owner's Activity Report for RFO-18 Service Examinations

cc: Mr. Craig Lowry

(Without Enclosure)

D. V. Pickett, NRC
S. J. Collins, NRC

Resident Inspector, NRC
S. Gray, DNR

A047
NRR

ENCLOSURE (1)

**2008 OWNER'S ACTIVITY REPORT FOR
RFO-18 INSERVICE EXAMINATIONS**



**Constellation
Nuclear**

**Calvert Cliffs
Nuclear Power Plant**

*A Member of the
Constellation Energy Group*

**Constellation Energy
750 East Pratt Street
Baltimore, Maryland 21202**

**THIRD INSERVICE INSPECTION INTERVAL
THIRD INSERVICE INSPECTION PERIOD
2008 OWNER'S ACTIVITY REPORT
FOR
RFO-18 INSERVICE EXAMINATIONS**

Prepared For:

**Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657**

Commercial Service Date: May 8, 1975
NRC Docket Number: 50-317
Document Number: CCNPP1-OAR-003-018
Revision Number: 00 Date: May 6, 2008

Prepared by: Roy E. Hall MAY 20, 2008
Roy E. Hall – Principal Engineer Analyst Corporate Engineering Programs

Reviewed by: Edward L. Anderson MAY 20, 2008
Edward L. Anderson – Principal Engineer Analyst Corporate Engineering Programs

Approved by: Carl L. Friant MAY 20, 2008
Carl L. Friant – General Supervisor Corporate Engineering Programs

Approved by: Bernie C. Rudell for MAY 28, 2008
Bernie C. Rudell – General Supervisor Site Engineering Programs



 Constellation Nuclear Calvert Cliffs Nuclear Power Plant <small>A Member of the Constellation Energy Group</small>	Calvert Cliffs Nuclear Power Plant, Unit 1	CCNPP1-OAR-003-18
	THIRD INSERVICE INSPECTION INTERVAL 2008 OWNER'S ACTIVITY REPORT FOR INSERVICE EXAMINATIONS	Rev. 00 Date: May 20, 2008 Page i - 2 of i - 9

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 Constellation Nuclear Calvert Cliffs Nuclear Power Plant <small>A Member of the Constellation Energy Group</small>	Calvert Cliffs Nuclear Power Plant, Unit 1 THIRD INSERVICE INSPECTION INTERVAL 2008 OWNER'S ACTIVITY REPORT FOR INSERVICE EXAMINATIONS	CCNPP1-OAR-003-18 Rev. 00 Date: May 20, 2008 Page i - 4 of i - 9
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ABSTRACT

This Owner's Activity Report summarizes the results of the Calvert Cliffs Nuclear Power Plant (CCNPP), Unit 1, American Society of Mechanical Engineers (ASME) Section XI Inservice Inspection, Risk-Informed Inspection and Containment Inservice Examinations performed during Refueling Outage Eighteen (RFO-18); the Second outage of the Third Inservice Inspection Period that started on July 1, 2006 and is scheduled to end on June 30, 2009. ISI examinations and repair/replacements for RFO-18 were performed from February 22, 2008 through March 12, 2008.

As an alternate to the requirements of the ASME, Boiler and Pressure Vessel Code (B&PVC), Section XI, Article IWA-6000, CCNPP is implementing 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". Regulatory Guide 1.147, Revision 15, approved ASME Code Case N-532-4 for use. 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 CCNPP Unit 1, 2008 refueling outage (RFO-18) examination activity in accordance with the following inspection plans and schedules:


- Inservice Inspection Program Plan(s) for the Third and successive Inspection Intervals for CCNPP Units 1 and 2
- Long Term Plan for CCNPP, Unit 1
- CCNP-002-004, Calvert Cliffs Nuclear Power Plant Risk-Informed Inservice Inspection Application to Class 1 and 2 Piping Final Report
- ISI Program Plan ASME XI, IWE/IWL First Inspection Interval

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

- a. **TABLE 1, ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE** provides a listing of item(s) with flaws or relevant conditions that exceeded the acceptance criteria of ASME XI Division 1 and 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, and evaluation description.
- b. **TABLE 2, ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE** identifies those items containing flaws or relevant conditions that exceeded the ASME Section XI Division 1 acceptance criteria; even though the discovery of the flaw or relevant condition that necessitated the repair/replacement may not have resulted from an examination or test required by Section XI, and provides such information as code class, item description, description of work, date completed and the repair replacement plan number.

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In accordance with ASME Section XI, IWB-2412 (a), IWC-2412, IWD-2412 and IWE-2412(a), IWF-2410 and with the exception of the examinations that may be deferred until the end of the inspection interval as specified in Table IWB-2500-1, IWC-2500-1, IWD-2500-1, IWE-2500-1, and IWF-2500-1 including those examinations which CCNPP has requested and received approval in the form of relief request, the required examinations in each examination category have been completed for the Third In-service Inspection Period in accordance with Tables IWB-2412-1, IWC-2412-1, IWD-2412-1, IWE-2412-1 and IWF-2410-2.

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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 CCNPP1-OAR-003-18

Owner Constellation Energy, 750 Pratt Street, Baltimore, Maryland 21202
(Name and Address of Owner)

Plant Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, Maryland 20657
(Name and Address of Plant)

Plant Unit 1 Commercial Service Date May 5, 1975 Refueling Outage Number RFO-18

Current Inspection Interval Third Inservice Inspection Interval – July 1, 1999 to June 30, 2009
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period – July 1, 2006 to June 30, 2009
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1998 Edition, No Addenda

Date and Revision of Inspection Plan Revision 03, Change 1, Dated May 16, 2008

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

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A (If applicable) Expiration Date N/A

Signed Carl L. Friant Date May 23, 2008
(Carl L. Friant, General Supervisor – Corporate Engineering Programs)


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 Maryland and employed by Hartford Steam Boiler (HSBT) of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period February 22, 2008 to March 14, 2008, 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 examinations, tests, repairs, replacements, evaluations and corrective measures 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.

William J. Yuen Commissions NB12990, Maryland – 1200, A, N, I
Inspector's Signature National Board, State, Province, and Endorsements

Date May 28, 2008

 Constellation Nuclear Calvert Cliffs Nuclear Power Plant <small>A Member of the Constellation Energy Group</small>	Calvert Cliffs Nuclear Power Plant, Unit 1	CCNPP1-OAR-003-18
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**FORM OAR-1
OWNER'S ACTIVITY REPORT**

As required by the provisions of the ASME Code Case N532-4

Report Number CCNPP1-OAR-003-18

Owner Constellation Nuclear Generation, 750 Pratt Street, Baltimore, Maryland 21202
(Name and Address of Owner)

Plant Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, Maryland 20657
(Name and Address of Plant)

Plant Unit 1 Commercial Service Date May 5, 1975 Refueling Outage Number RFO-18

Current Inspection Interval First Containment Inspection Interval - July 1, 1999 to June 30, 2009
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period - July 1, 2006 to June 30, 2009
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1992 Edition, 1992 Addenda

Date and Revision of Inspection Plan Revision 02, Dated December 27, 2001

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

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A (If applicable) Expiration Date N/A

Signed Carl L. Friant Date May 23, 2008
(Carl L. Friant, General Supervisor - Corporate Engineering Programs)

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 Maryland and employed by Hartford Steam Boiler (HSBCT) of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period February 24, 2007 to April 2, 2007, 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 examinations, tests, repairs, replacements, evaluations and corrective measures 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.

William J. Guever Commissions NB12990, Maryland - 1200; A, N, I
Inspector's Signature National Board, State, Province, and Endorsements
Date MAY 28, 2008


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

As required by the provisions of the ASME Code Case N532-4

Examination Category and Item Number	Item Description	Evaluation Description
None		


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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
1	1PZVRC11 #11 Pressurizer Heater Nozzle Sleeve C-2	Installation of a Mechanical Nozzle Seal Assembly	May 2, 2008	2008-1-010 (MO1200800084)
1	Snubber 1-52-42A	Replace clevis brackets to snubbers 1-52-42 and 1-52-42A. Snubber 1-52-42A had a broken bracket at connection to steel beam.	April 1, 2008	2008-1-016 (MO1200800945)
2	1-CC7-1001	Repair cracked weld upstream of 1HVCVC-168. #11 charging pump has a leak upstream of the discharge drain valve 1-CVC-168 where the drain pipe is welded to the discharge pipe.	May 2, 2008	2006-1-038 (MO1200606415)
2	1-CC7-1003	Repair broken weld on pipe hanger.	April 29, 2008	2006-1-039 (MO1200606404)
3	1CKVSW-103	Replace valve SN11325 with SN11329	May 2, 2008	2007-1-035 (MO1200703275)
3	CKVSW – SN11325 (Not in service)	Repair valve SN11325	February 27, 2008	2007-1-037 (MO1200703393)
3	1CKVSW-103	Replace valve SN11329 with SN11325	April 1, 2008	2007-1-038 (MO1200703478)
3	CKVSW – SN11329 (Not in service)	Repair valve SN11329	February 15, 2008	2008-1-004 (MO0200702920)
3	1CKVSW-107	Replace valve SN11326 with SN11329	May 5, 2008	2008-1-006 (MO1200704804)
3	CKVSW – SN11326 (Not in service)	Repair valve SN11326	May 8, 2008	2008-1-002 (MO0200702921)
3	1CKVSW-111	Replace valve SN11328 with SN11326	May 1, 2008	2008-1-005 (MO1200703354)