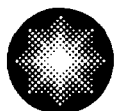


James A. Spina  
Vice President

Calvert Cliffs Nuclear Power Plant, Inc.  
1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657  
410.495.4455  
410.495.3500 Fax



**Constellation Energy**  
Generation Group

July 10, 2006

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. L. S. Larragoite at (410) 495-4922.

Very truly yours,

JAS/CAN/bjd

**Enclosures:** (1) Calvert Cliffs Nuclear Power Plant, Inservice Inspection Summary Report for  
Calvert Cliffs Unit 1, ASME Boiler & Pressure Vessel Code Section XI, Form  
NIS-1  
(2) Calvert Cliffs Nuclear Power Plant, Inservice Inspection Summary Report for  
Calvert Cliffs Unit 1, ASME Boiler & Pressure Vessel Code Section XI, Form  
NIS-2

**cc:** Mr. Craig Lowry

(Without Enclosures)  
P. D. Milano, NRC  
S. J. Collins, NRC

Resident Inspector, NRC  
R. I. McLean, DNR

APL7

**ENCLOSURE (1)**

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**CALVERT CLIFFS NUCLEAR POWER PLANT,  
INSERVICE INSPECTION SUMMARY REPORT  
FOR CALVERT CLIFFS UNIT 1  
ASME BOILER & PRESSURE VESSEL CODE  
SECTION XI, FORM NIS-1**

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# FORM NIS-1

Page 1 of 3

## OWNER'S REPORT FOR INSERVICE INSPECTIONS

(As required by the Provisions of the ASME Code Rules)

1. Owner Constellation Energy, 750 East Pratt Street, Baltimore, MD 21202

(Name and Address of Owner)

2. Plant Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657

(Name and Address of Plant)

3. Plant Unit 1

4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 05/08/1975

6. National Board Number for Unit 20911

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Pressure Vessel	Combustion Engineering	CE-67107	14000NV	20911
Pressurizer	Combustion Engineering	CE-67602	14000NV	20915
Steam Generator #11	Combustion Engineering	CE-67504	14000NV	20922
Steam Generator #12	Combustion Engineering	CE-67505	14000NV	20923
Reactor Coolant Piping	Combustion Engineering	N/A	N/A	N/A
Safety Injection Piping/Supports	Bechtel	N/A	N/A	N/A
Pressurizer Spray Piping/Supports	Bechtel	N/A	N/A	N/A
Pressurizer Safety & Relief Piping/Supports	Bechtel	N/A	N/A	N/A
Shutdown Cooling Piping/Supports	Bechtel	N/A	N/A	N/A
Main Steam Piping/Supports	Bechtel	N/A	N/A	N/A
Feedwater Piping/Supports	Bechtel	N/A	N/A	N/A
Charging Piping/Supports	Bechtel	N/A	N/A	N/A
Letdown Piping/Supports	Bechtel	N/A	N/A	N/A
Containment Spray Piping/Supports	Bechtel	N/A	N/A	N/A

8. Examination Dates 7/21/2004 to 4/7/2006

9. Inspection Period Identification: Second 2002 to 2006

10. Inspection Interval Identification: Third 1999 to 2009

11. Applicable Edition of Section XI 1998 Addenda None

12. Date/Revision of Inspection Plan: CCNPP Units 1 & 2 Third Interval ISI Plan, Revision 0

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

The examinations reported herein constitute the seventeenth report of inservice inspections performed at Calvert Cliffs Unit 1, and the second report within the second inspection period of the third inspection interval during commercial operation. The examinations were performed in accordance with the Third Interval ISI Plan for Calvert Cliffs 1 & 2 and our Risk Informed ISI Program Submittal to the NRC dated 5/29/2002. The examinations were performed in accordance with the 1998 Edition of ASME Code Section XI with No Addenda. In addition to the ASME Section XI required examinations we performed bare metal visual and ultrasonic examinations on a number of dissimilar metal butt welds containing Alloy 82/182 weld material in accordance with the EPRI MRP recommendations and NRC Bulletin 2004-01. See Attachment 1 for a list of Class 1 and 2 components examined. Nondestructive examination data and procedures are available for review at the plant site for review.

14. Abstract of Results of Examinations and Tests.

Indications were found in three (3) of the dissimilar metal welds examined during the Calvert Cliffs Unit 1 2006 RFO. Two of the indications exceeded the acceptance standards of ASME Boiler & Pressure Vessel Code Section XI, Subsection IWB Article IWB-3500. Indications which exceeded the IWB 3500 standards were found in the 12 inch hot leg surge nozzle to safe end weld (LTP 111100) and the 2 inch hot leg drain nozzle to safe end weld (LTP 132450). These two welds have indications on the inside surface of the nozzle safe-ends which are circumferential in orientation. An axial indication was detected in the pressurizer relief valve nozzle to safe-end weld (LTP 123450). The size of this indication is within the acceptable limits of Article IWB-3500. The proximity of the flaws combined with the relatively high operating temperature of these nozzles and the absence of fabrication RT or baseline exam indications suggest that the cause of all three flaws is primary water stress corrosion cracking (PWSCC).


15. Abstract of Corrective Measures.

A stress improvement mitigation technique called "Mechanical Stress Improvement Process" (MSIP®) has been performed at each of the dissimilar metal butt welds locations found to contain indications and 4 other locations that did not contain flaws during the current outage. The performance of MSIP on all 7 Calvert Cliffs Unit 1 high temperature DM welds was a pre-planned outage activity. This method induces compressive stresses on the inside pipe wall where the indications are located. These post-MSIP residual stresses, when added to the normal operating pressure and piping loads, mitigate any further crack propagation due to PWSCC.

To ensure the mitigation is technically sound and acceptable, an analytical flaw evaluation was carried out for each nozzle, using the rules of ASME Code Section XI, Article IWB 3600, to determine if the as-found flaws are within the Code maximum allowable. Fatigue and PWSCC crack growth was considered and found to be negligible because of the compressive stresses over the entire length of the flaw. The evaluation used ASME Code Section XI rules and is consistent with the guidelines of MRP-139, Primary System Piping Butt Weld Inspection and Evaluation Guideline. The results of this evaluation were forwarded to the NRC in a Constellation Energy letter dated 5/31/2006.

The Unit 1 Reactor Vessel Closure Head was replaced during the 2006 RFO to eliminate the Alloy 600 materials from that component. A small spool piece was replaced in SG feedwater piping downstream of check valve 1-FW-130 due to FAC concerns.

We 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) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. ( if applicable)	<u>N/A</u>	Expiration Date	<u>N/A</u>
Date	<u>6/22/2006</u>	Signed	<u>Constellation Energy</u>
			By <u>Keith M Hoffman</u> 
		Owner	



## 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 ABS Consulting of

Houston, TX have inspected the components described in this Owner's Report during the period  
7/21/2004 to 4/7/2006, and state that to the best of my knowledge and belief, the Owner has performed

examinations and tests and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code,  
Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective  
measures described in this Owner's 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.

Rene Garceau

  
Inspector's Signature

Commissions

NB-6030, VT-604, ANII

National Board, State, Province, and Endorsements

Date 6/22/2006

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
<b>Class 1</b>	<b>Category B-D</b>							
004150	16-405A	NOZZLE TO HEAD WELDS	B3.110	NDE-5419-CC	UT CC06-IU-065 Accept	064		2/26/2006
Comments:	Coverage limited due to configuration. Consider for relief. No recordable indications noted							
004200	16-405B	NOZZLE TO HEAD WELDS	B3.110	NDE-5419-CC	UT CC06-IU-066 Accept	064		2/26/2006
Comments:	Coverage limited due to configuration. Consider for Relief. Previous indications verified. No new indications recorded							
004350	16-405A-IRS	NOZZLE INSIDE RADIUS SECTION	B3.120	NDE-5417-CC	UT CC06-IU-060 Accept	064		2/26/2006
Comments:	NO RECORDABLE INDICATIONS							
004400	16-405B-IRS	NOZZLE INSIDE RADIUS SECTION	B3.120	NDE-5417-CC	UT CC06-IU-067 Accept	064		2/26/2006
Comments:	NO RECORDABLE INDICATIONS							
005505	11-W5-IRS	11 HL NOZZLE EXTENSION INSIDE	B3.140	NDE-5417-CC	UT CC06-IU-038 Accept	064		2/23/2006
Comments:	NO RECORDABLE INDICATIONS							
005555	11-W6-IRS	11A CL NOZZLE EXTENSION INSIDE	B3.140	NDE-5417-CC	UT CC06-IU-039 Accept	064		2/23/2006
Comments:	NO RECORDABLE INDICATIONS							
005605	11-W7-IRS	11B CL NOZZLE EXTENSION INSIDE	B3.140	NDE-5417-CC	UT CC06-IU-040 Accept	064		2/23/2006
Comments:	NO RECORDABLE INDICATIONS							
<b>Class 1</b>	<b>Category B-G-1</b>							
003500	STUD NUMBERS 19 RPV STUDS THROUGH 36		B6.30	NDE-5415-CC	UT CC06-IU-084 Accept	064		3/9/2006
				NDE-5100-CC	MT CC06-IM-004 Accept	064		3/10/2006
				NDE-5415-CC	UT CC06-IU-085 Accept	064		3/10/2006
				NDE-5415-CC	UT CC06-IU-086 Accept	064		3/11/2006
				NDE-5100-CC	MT CC06-IM-005 Accept	064		3/11/2006
				NDE-5100-CC	MT CC06-IM-006 Accept	064		3/11/2006
Comments:	No relevant indications noted.							
003550	NUTS 19-36	RPV NUTS 1- 54	B6.10	NDE-5712-CC	VT CC06-IV-166 Accept	064		3/11/2006
				NDE-5712-CC	VT CC06-IV-169 Accept	064		3/11/2006
				NDE-5712-CC	VT CC06-IV-159 Accept	064		3/9/2006

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**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
133650	11B-N-1 THROUGH 16	RCP-11B NUTS	B6.200	NDE-5712-CC VT	CC06-IV-172 Accept	064		3/13/2006
Comments:	No Recordable Indications Noted							
133700	PUMP FLANGE SURFACE	RCP-11B	B6.190	NDE-5712-CC VT	CC06-IV-171 Accept	064		3/12/2006
Comments:	No Recordable Indications Noted							
<b>Class 1</b>	<b>Category B-G-2</b>							
133500	11A-C-1 THROUGH 16	RCP-11A SEAL BOLTING	B7.60	NDE-5712-CC VT	CC06-IV-033 Accept	064		2/22/2006
Comments:	No Recordable Indications Noted							
134050	11B-C-1 THROUGH 16	RCP-11B SEAL BOLTING	B7.60	NDE-5712-CC VT	CC06-IV-034 Accept	064		2/22/2006
Comments:	No Recordable Indications Noted							
135150	12B-C-1 THROUGH 16	RCP-12B SEAL BOLTING	B7.60	NDE-5712-CC VT	CC06-IV-038 Accept	064		2/22/2006
Comments:	No Rejectable Indications Noted.							
136150	1-MOV-614 ON 12- SI-1009	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-085 Accept	052	91100	3/4/2006
Comments:	No Recordable Indications Noted							
136200	1-MOV-624 ON 12- SI-1010	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-096 EngDisp	052	91100SH0002	3/4/2006
Comments:	Valve was worked under MO1200600815 and verified no leakage at startup.							
136250	1-MOV-634 ON 12- SI-1011	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-084 Accept	052	91100SH0003	3/4/2006

**Attachment 1**  
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**Interval 3, Period 2, 1RFO17**

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 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Comments:	No Recordable Indications Noted							
136300	1-MOV-644 ON 12-SI-1012	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-098 Accept	052	91100SH0004	3/4/2006
Comments:	No recordable indications.							
136350	1-CV-100E ON 3-PS-1001	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-076 Accept	064	91099SH0001, SH0002	2/24/2006
Comments:	No Recordable Indications Noted							
136400	1-CV-100F ON 3-PS-1002	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-069 Accept	064	91099SH0002	2/24/2006
Comments:	No Recordable Indications Noted							
136450	1-MOV-403 ON 2.5-SR-1003	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-029 Accept	064	91098SH0002	2/22/2006
Comments:	No Recordable Indications Noted							
136500	1-MOV-405 ON 2.5-SR-1004	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-028 Accept	064	91098SH0001	2/22/2006
Comments:	No Recordable Indications Noted							
136550	1-CV-517 ON 2-CV-1003	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-060 Accept	041	FSK-MP-490	2/24/2006
Comments:	No Recordable Indications Noted							
136800	1-CVC-187 ON 2-CV-1005	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-061 Accept	041	FSK-MP-492	2/24/2006
Comments:	No Recordable Indications Noted							
136850	1-CVC-392 ON 2-CV-1005	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-112	041	FSK-MP-492	3/4/2006

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F
3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
5. Commercial Service Date: 05/08/1975  
6. National Board Number for Unit: 20911

<b>Summary No.</b>	<b>Comp. ID</b>	<b>Comp. Desc.</b>	<b>Item</b>	<b>Procedure</b>	<b>Method/Report/Results</b>	<b>System</b>	<b>Dwg/ISO</b>	<b>Exam Date</b>
136950	1-CVC-435 ON 2-CV-	VALVE BODY BOLTING 1006	B7.70	NDE-5712-CC VT	CC06-IV-062 Accept	041	FSK-MP-492	2/24/2006
Comments:	No Recordable Indications Noted							
137100	1-CV-515 ON 2-LD-	VALVE BODY BOLTING 1004	B7.70	NDE-5712-CC VT	CC06-IV-066 Accept	041	FSK-MP-455, - 456	2/24/2006
Comments:	No Recordable Indications Noted							
137200	1-CV-516 ON 2-LD-	VALVE BODY BOLTING 1002	B7.70	NDE-5712-CC VT	CC06-IV-068 Accept	041	FSK-MP-455, - 456	2/24/2006
Comments:	No Recordable Indications Noted							
137250	1-CV-518 ON 2-CV-	VALVE BODY BOLTING 1004	B7.70	NDE-5712-CC VT	CC06-IV-063 Accept	041	FSK-MP-401	2/24/2006
Comments:	No Recordable Indications Noted							
137300	1-CV-519 ON 2-CV-	VALVE BODY BOLTING 1005	B7.70	NDE-5712-CC VT	CC06-IV-059 Accept	041	FSK-MP-492	2/24/2006
Comments:	No Recordable Indications Noted							
137350	1-ERV402 ON 2.5-	VALVE BODY BOLTING SR-1003	B7.70	NDE-5712-CC VT	CC06-IV-041 Accept	064	91098SH0002	2/22/2006
Comments:	No Recordable Indications Noted							
137360	PILOT VALVE FOR 1-ERV402	VALVE BODY BOLTING	B7.70	NDE-5712-CC VT	CC06-IV-039 Accept	064	91098SH0002	2/22/2006
Comments:	No Recordable Indications Noted							
137400	1-ERV404 ON 2.5-	VALVE BODY BOLTING SR-1004	B7.70	NDE-5712-CC VT	CC06-IV-032 Accept	064	91098SH0001	2/22/2006
Comments:	No Recordable Indications Noted							

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**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
137850	1-MOV-651 ON 14-SC-1004	VALVE BODY BOLTING	B7.70	NDE-5712-CC	VT CC06-IV-003 Accept	052	91101, 91146	1/17/2006
Comments:	No Recordable Indications Noted							
137900	1-MOV-652 ON 12-SC-1004	VALVE BODY BOLTING	B7.70	NDE-5712-CC	VT CC06-IV-065 Accept	052	91101, 91146	2/24/2006
Comments:	No Recordable Indications Noted powder found was determined to be insulation residue.							
137950	1-SI-118 ON 6-SI-1001	VALVE BODY BOLTING	B7.70	NDE-5712-CC	VT CC06-IV-094 EngDisp	052	91100	3/4/2006
Comments:	Valve was worked under MO 1200600960 and no leakage evident.							
138000	1-SI-128 ON 6-SI-1002	VALVE BODY BOLTING	B7.70	NDE-5712-CC	VT CC06-IV-086 Accept	052	91100SH0002	3/4/2006
Comments:	No Recordable Indications Noted							
138050	1-SI-138 ON 6-SI-1003	VALVE BODY BOLTING	B7.70	NDE-5712-CC	VT CC06-IV-083 EngDisp	052	91100SH0003	3/4/2006
Comments:	Valve was worked under MO1200600959 and verified not to be leaking on startup.							
138100	1-SI-148 ON 6-SI-1004	VALVE BODY BOLTING	B7.70	NDE-5712-CC	VT CC06-IV-095 Accept	052	91100SH0004	3/4/2006
Comments:	No Recordable Indications Noted							
138610	2.5-SR-1003 - 5FB	INLET FLANGE BOLTING ERV-402	B7.50	NDE-5712-CC	VT CC06-IV-040 Accept	064	91098SH0002	2/22/2006
Comments:	None							
138620	2.5-SR-1004 - 5FB	INLET FLANGE BOLTING ERV-404	B7.50	NDE-5712-CC	VT CC06-IV-042 Accept	064	91098SH0001	2/22/2006
Comments:	No Recordable Indications Noted							
138630	2.5-SR-1007 - 2FB	INLET FLANGE BOLTING RV-200	B7.50	NDE-5712-CC	VT CC06-IV-031 Accept	064	91098SH0002	2/22/2006



[illegible]

4. Owner Certificate of Authorization (If Req.): N/A  
5. Commercial Service Date: 05/08/1975  
6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
604600	4-SR-1006 - R-2	COMPONENT SUPPORT-SNUBBER	F1.10C	NDE-5711-CC	VT CC06-IV-306 Accept	064	91098SH0001	3/24/2006
604750	2.5-SR-1003 - R-12	COMPONENT SUPPORT-SNUBBER	F1.10C	NDE-5711-CC	VT CC06-IV-092 EngDisp	064	91098SH0001	2/27/2006
				NDE-5711-CC	VT CC06-IV-043 Accept	064	91098SH0002	2/22/2006
Comments:	No recordable indications noted.							
604900	2.5-SR-1004 - H-3	COMPONENT SUPPORT	F1.10A	NDE-5711-CC	VT CC06-IV-044 Accept	064	91098SH0001	2/22/2006
Comments:	No recordable indications noted.							
<b>Class 1</b>	<b>Category R-A</b>							
100805	SG-11- W5	HL NOZZLE EXTENSION TO PRIMARY HEAD	R1.20	NDE-5411-CC	UT CC06-IU-041 Accept	064	12024-0004, - 0005, -0014	2/24/2006
Comments:	Coverage limited due to configuration. No Recordable Indications Noted. Consider for Relief							
102300	30-RC-11A - 7	ELBOW TO SAFE END	R1.20	NDE-5710-CC	VT CC06-IV-075 Accept	064	12034-0004, - 0006, -0008	2/25/2006
Comments:	THIS EXAM WAS DONE TO MEET THE BMV REQUIREMENT OF EPRI MRP 2004-05.							
102450	30-RC-11A - 10	SAFE END TO PIPE	R1.20	NDE-5710-CC	VT CC06-IV-116 Accept	064	12034-0004, - 0006, -0008	2/22/2006
Comments:	No recordable indications noted.							
104550	30-RC-11B - 7	ELBOW TO SAFE END	R1.20	PDI-UT-10	UT PDI-10-021 Accept	064	12034-0004, - 0008	3/2/2006
				WDI-STD-119A	UT AUT-01 Accept	064	12034-0004, - 0008	3/4/2006
Comments:	Coverage limited due to weld configuration will consider for relief request.							
104700	30-RC-11B - 10	SAFE END TO PIPE	R1.20	NDE-5710-CC	VT CC06-IV-036 Accept	064	12034-0004, - 0008	2/20/2006
Comments:	No recordable indications noted.							
106055	SG-12 - W5	NOZZLE EXTENSION TO PRIMARY HEAD	R1.20	NDE-5419-CC	UT CC06-IU-046 Accept	064	12034-0004, - 0005	2/24/2006
Comments:	Coverage limited due to configuration. No Recordable Indications Noted. Consider for Relief							

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F
3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
5. Commercial Service Date: 05/08/1975  
6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
107450	30-RC-12A - 7	ELBOW TO SAFE END	R1.20	NDE-5710-CC	VT CC06-IV-064 Accept	064	12034-0004, - 0008	2/24/2006
Comments:	No recordable indications noted.							
107600	30-RC-12A - 10	SAFE END TO PIPE	R1.20	WDI-STD-119A	UT AUT-02 Accept	064	12034-0004, - 0008	3/4/2006
				PDI-UT-10	UT PDI-10-020 Accept	064	12034-0004, - 0008	3/2/2006
Comments:	Coverage limited due to weld configuration will consider for relief request.							
109600	30-RC-12B - 7	ELBOW TO SAFE END	R1.20	NDE-5710-CC	VT CC06-IV-048 Accept	064	12034-0004, - 0008, -0009	2/23/2006
Comments:	No recordable indications noted.							
109750	30-RC-12B - 10	SAFE END TO PIPE	R1.20	NDE-5710-CC	VT CC06-IV-045 Accept	064	12034-0004, - 0008, -0009	2/23/2006
Comments:	No recordable indications noted.							
109950	10/2-CV-1004	2-IN. BRANCH CONNECTION	R1.11	NDE-5412-CC	UT CC06-IU-048 Accept	064	12034-0004, - 0008, -0009	2/26/2006
Comments:	No recordable indications noted. This exam will be evaluated for relief request due to limited coverage.							
110450	12-PSL - 1	NOZZLE TO SAFE END	R1.11	PDI-UT-10	UT PDI-10-005 Accept	064	60798, 12024- 0009	2/23/2006
				PDI-UT-10	UT PDI-10-010 Accept	064	60798, 12024- 0009	2/27/2006
Comments:	No recordable indications noted. UT was performed both PRE and POST MSIP application.							
110500	12-PSL - 2	SAFE END TO PIPE	R1.11	NDE-5418-CC	UT CC06-IU-064 Accept	064	60798, 12024- 0009	2/28/2006
Comments:	This exam was done as part of the scope expansion for LTP111100. No recordable indications noted.							
110800	12-PSL - 7	PIPE TO ELBOW	R1.11	NDE-5418-CC	UT CC06-IU-077 Accept	064	60798, 12024- 0009	3/2/2006
Comments:	ID geometry indications 360 degrees intermittently. This exam was done as part of the sample expansion because of the indications found on LTP#111100.							
110950	12-PSL - 10	ELBOW TO PIPE	R1.11	NDE-5418-CC	UT CC06-IU-073 Accept	064	60798, 12024- 0009	3/1/2006
Comments:	ID geometry indications seen 360 degrees intermittently. This exam was done as part of the sample expansion due to the indications found on LTP#111100.							

4. Owner Certificate of Authorization (If Req.): N/A  
5. Commercial Service Date: 05/08/1975  
6. National Board Number for Unit: 20911

[illegible]

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
118150	4-PS-1003M - 6	ELBOW TO PIPE	R1.11	NDE-5412-CC	UT CC06-IU-079 Accept	064	91099SH0002	3/1/2006
Comments:	No Recordable Indications Noted							
118500	4-PS-1003 - 6	NOZZLE TO SAFE END	R1.11	PDI-UT-10	UT PDI-10-009 Accept	064	91099SH0002	2/24/2006
				PDI-UT-10	UT PDI-10-017 Accept	064	91099SH0002	3/1/2006
Comments:	Will consider for relief request. No recordable indications noted. UT performed both PRE and POST MSIP application.							
118550	3-PS-1001 - 1	NOZZLE TO SAFE END	R1.20	NDE-5710-CC	VT CC06-IV-046 Accept	064	91099SH0001, 2/23/2006	SH0002
Comments:	No recordable indications noted.							
120250	3-PS-1001M - 29	PIPE TO ELBOW	R1.11	NDE-5412-CC	UT CC06-IU-071 Accept	064	91099SH0001, 2/27/2006	SH0002
Comments:	No Recordable Indications Noted							
120350	3-PS-1002 - 1	NOZZLE TO SAFE END	R1.20	NDE-5710-CC	VT CC06-IV-037 Accept	064	91099SH0002	2/20/2006
Comments:	No recordable indications noted.							
122250	3-PS-1002M - 32	PIPE TO TEE	R1.11	NDE-5412-CC	UT CC06-IU-049 Accept	064	91099SH0002	2/25/2006
Comments:	No Recordable Indications Noted. Consider for Relief							
122400	4-SR-1001 - 3	ELBOW TO ELBOW	R1.11	NDE-5412-CC	UT CC06-IU-044 Accept	064	91098SH0002	2/24/2006
Comments:	No Recordable Indications Noted							
123000	4-SR-1002 - 7	PIPE TO ELBOW	R1.11	NDE-5412-CC	UT CC06-IU-036 Accept	064	91098SH0001	2/23/2006
Comments:	No Recordable Indications Noted							
123055	4-SR-1002 - 8	ELBOW TO REDUCER	R1.11	NDE-5412-CC	UT CC06-IU-037 Accept	064	91098SH0001	2/23/2006
Comments:	No Recordable Indications Noted							
123100	4-SR-1005 - 1	NOZZLE TO SAFE END	R1.20	PDI-UT-10	UT PDI-10-018 Accept	064	91098SH0002	3/2/2006
				PDI-UT-10	UT PDI-10-006 Accept	064	91098SH0002	2/25/2006

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Comments:	UT performed PRE and POST MSIP Application. No Recordable Indications Noted.							
123450	4-SR-1006 - 1	NOZZLE TO SAFE END	R1.20	PDI-UT-10	UT PDI-10-004 EngDisp	064	91098SH0001	2/23/2006
				PDI-UT-10	UT PDI-10-019 EngDisp	064	91098SH0001	3/1/2006
Comments:	One indication which was acceptable in accordance with IWB-3500 was found. UT was performed both PRE and POST MSIP application.							
123700	4-SR-1006 - 4	PIPE TO TEE	R1.20	NDE-5412-CC	UT CC06-IU-043 Accept	064	91098SH0001	2/24/2006
Comments:	No Recordable Indications Noted. Consider for Relief							
124025	2.5-SR-1003-4A	ELBOW TO PIPE	R1.11	NDE-5412-CC	UT CC06-IU-042 Accept	064	91098SH0002	2/25/2006
Comments:	No Recordable Indications Noted. Consider for Relief							
124350	2.5-SR-1004 - 4	ELBOW TO PIPE	R1.11	NDE-5412-CC	UT CC06-IU-035 Accept	064	91098SH0001	2/23/2006
Comments:	Single sided exam. No Recordable Indications Noted. Consider for Relief							
125050	2-LD-1004 - 1	NOZZLE TO SAFE END	R1.20	PDI-UT-10	UT PDI-10-003 Accept	041	FSK-MP-455, FSK-MP-456	2/22/2006
Comments:	Examination performed in accordance with CCNPP Corrective Action Program because of flaws found on Unit 2 in 2005. No recordable indications noted.							
127850	2-CV-1003 - 42	PIPE TO ELBOW	R1.11	NDE-5424-CC	UT CC06-IU-081 Accept	041	FSK-MP-490	3/2/2006
Comments:	Socket weld volumetric exam. No Recordable Indications Noted.							
128850	2-CV-1004 - 18	PIPE TO SAFE END	R1.11	NDE-5412-CC	UT CC06-IU-050 EngDisp	041	FSK-MP-401	2/26/2006
Comments:	No Recordable Indications Noted							
128900	2-CV-1004 - 19	NOZZLE TO SAFE END	R1.11	NDE-5710-CC	VT CC06-IV-078 Accept	041	FSK-MP-401	2/26/2006
Comments:	No recordable indications noted.							
130450	2-CV-1005 - 29	NOZZLE TO SAFE END	R1.11	PDI-UT-10	UT PDI-10-013 Accept	041	FSK-MP-492	2/28/2006
Comments:	No recordable indications noted.							
131200	2-DR-1003 - 1	NOZZLE TO SAFE END DRAIN LINES	R1.20	NDE-5710-CC	VT CC06-IV-054 Accept	064	FSK-MP-575, - 575H	2/23/2006

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results			System	Dwg/ISO	Exam Date
Comments:	No Recordable Indications Noted									
131500	2-DR-1004 - 1	NOZZLE TO SAFE END DRAIN LINES	R1.20	PDI-UT-10	UT	PDI-10-012	Accept	064	FSK-MP-1053, - 2/27/2006 1053H	
Comments:	No recordable indications noted.									
132150	2-DR-1006 - 1	NOZZLE TO SAFE END DRAIN LINES	R1.20	PDI-UT-10	UT	PDI-10-008	Accept	064	FSK-MP-1006, - 2/25/2006 1006H	
Comments:	This weld was examined as part of the expanded sample for LTP# 111100 because of similar suceptability to the PWSCC degradation mechanism. No recordable indications noted.									
132450	2-DR-1007 - 1	NOZZLE TO SAFE END DRAIN LINES	R1.20	PDI-UT-10	UT	PDI-10-015	EngDisp	064	FSK-MP-597	2/28/2006
				PDI-UT-10	UT	PDI-10-007	EngDisp	064	FSK-MP-597	2/25/2006
	Evaluation Disposition Acceptable:	See CEG letter dated 5/31/2006 which forwarded IWB-3600 evaluation performed by Westinghouse to the NRC.								
Comments:	This weld was examined law the CCNPP CAP Program because of flaws found in 2005 on Unit 2. A flaw meeting the acceptance criteria of IWB-3600 evaluation was found during PRE MSIP UT. See CEG letter dated 5/31/2006 which forwarded evaluation to NRC. UT was performed both PRE and POST MSIP application.									
<b>Class 2</b>	<b>Category AUGMT</b>									
421900	36-MS-1201 - 2LD	LONGITUDINAL SEAM	HELB	NDE-5411-CC	UT	CC06-IU-058	Accept	083	60345SH0001	2/26/2006
Comments:	No recordable indications noted.									
422000	36-MS-1201 - 3LU	LONGITUDINAL SEAM	HELB	NDE-5411-CC	UT	CC06-IU-059	Accept	083	60345SH0001	2/26/2006
Comments:	No recordable indications noted.									
422800	36-MS-1202 - 2LU	LONGITUDINAL SEAM	HELB	NDE-5411-CC	UT	CC06-IU-075	Accept	083	60345SH0001	3/2/2006
Comments:	No recordable indications noted.									
422850	36-MS-1202 - 2	PIPE TO VALVE CV-4048	HELB	NDE-5411-CC	UT	CC06-IU-074	Accept	083	60345SH0001	3/2/2006

4. Owner Certificate of Authorization (If Req.): N/A  
5. Commercial Service Date: 05/08/1975  
6. National Board Number for Unit: 20911

[illegible]



**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F
3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
5. Commercial Service Date: 05/08/1975  
6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
<b>Class 2</b>	<b>Category C-F-2</b>							
421450	1/6-RV-3994	6-IN. BRANCH CONNECTION	HELB	NDE-5411-CC	UT CC06-IU-051	Accept	083	60345SH0001 2/25/2006
Comments:	NO RECORDABLE INDICATIONS NOTED. WILL CONSIDER FOR RELIEF REQUEST.							
421500	1/6-RV-3995	6-IN. BRANCH CONNECTION	HELB	NDE-5411-CC	UT CC06-IU-052	Accept	083	60345SH0001 2/25/2006
Comments:	NO RECORDABLE INDICATIONS NOTED. WILL CONSIDER FOR RELIEF REQUEST							
421550	1/6-RV-3996	6-IN. BRANCH CONNECTION	HELB	NDE-5411-CC	UT CC06-IU-053	Accept	083	60345SH0001 2/25/2006
Comments:	NO RECORDABLE INDICATIONS NOTED. WILL CONSIDER FOR RELIEF REQUEST							
421600	1/6-RV-3997	6-IN. BRANCH CONNECTION	HELB	NDE-5411-CC	UT CC06-IU-054	Accept	083	60345SH0001 2/24/2006
Comments:	No recordable indications noted. Weld will be evaluated for relief submittal.							
421750	1/6-RV-3999	6-IN. BRANCH CONNECTION	HELB	NDE-5411-CC	UT CC06-IU-055	Accept	083	60345SH0001 2/24/2006
Comments:	NO RECORDABLE INDICATIONS NOTED Will consider for Relief Request.							
421800	36-MS-1201 - 2LU	LONGITUDINAL SEAM	HELB	NDE-5411-CC	UT CC06-IU-068	Accept	083	60345SH0001 2/28/2006
Comments:	No recordable indications noted.							
421850	36-MS-1201 - 2	PIPE TO PIPE	HELB	NDE-5411-CC	UT CC06-IU-057	Accept	083	60345SH0001 2/26/2006
Comments:	No recordable indications noted.							
422050	36-MS-1201 - 3	PIPE TO VALVE 1-CV-4043	HELB	NDE-5411-CC	UT CC06-IU-061	Accept	083	60345SH0001 2/27/2006
Comments:	No recordable indications noted.							
<b>Class 2</b>	<b>Category F-A</b>							
701750	18-SI-1003 - H-1	COMPONENT SUPPORT	F1.20A	NDE-5711-CC	VT CC06-IV-016	EngDisp	052	91203, 91160, 91175 1/30/2006
Comments:	One anchor bolt nut found without full thread engagement. ES200600102-000 determined the as found condition was acceptable.							

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
702900	18-SI-1004 - H-4, R-2	COMPONENT SUPPORT	F1.20B	NDE-5711-CC	VT CC06-IV-115 Accept	052	91165, 91097SH0013	3/4/2006
Comments:	No recordable indications noted.							
712250	4-SI-1209 - H-3	COMPONENT SUPPORT	F1.20A	NDE-5711-CC	VT CC06-IV-015 Accept	052	91169	1/30/2006
Comments:	No recordable indications noted.							
712350	4-SI-1209 - H-1	COMPONENT SUPPORT	F1.20A	NDE-5711-CC	VT CC06-IV-019 Accept	052	91169	2/6/2006
Comments:	ES200600092-000 determined the as found gaps were acceptable as is.							
718100	10-CS-1218 - H-5, R-5	COMPONENT SUPPORT	F1.20B	NDE-5711-CC	VT CC06-IV-025 Accept	061	91097SH0030, SH0001	2/14/2006
Comments:	Minor chipped coatings noted.							
718150	8-CS-1203 - R-1, R-2	COMPONENT SUPPORT	F1.20B	NDE-5711-CC	VT CC06-IV-007 Accept	061	91097SH0005	1/12/2006
Comments:	No recordable indications noted.							
718650	8-CS-1204 - H-2, R-2	COMPONENT SUPPORT	F1.20B	NDE-5711-CC	VT CC06-IV-113 Accept	061	91097SH0030	3/7/2006
Comments:	Cracked paint noted on support.							
720700	8-CS-1206 - H-7	COMPONENT SUPPORT	F1.20A	NDE-5711-CC	VT CC06-IV-020 Accept	061	91097SH0007, 91173	2/10/2006
Comments:	No recordable indications noted.							
720750	8-CS-1206 - R-5, H-6	COMPONENT SUPPORT	F1.20A	NDE-5711-CC	VT CC06-IV-118 Accept	061	91097SH0007, 91173	3/9/2006
Comments:	No recordable indications noted.							
723250	12-SC-1215 - H-7	COMPONENT SUPPORT-SPRING	F1.20C	NDE-5711-CC	VT CC06-IV-199 Accept	052	91097SH0002, 91109SH0001	3/15/2006
Comments:	Preservice Examination							
726650	6-MS-1207 - R-13	COMPONENT SUPPORT	F1.20A	NDE-5711-CC	VT CC06-IV-087 Accept	063	60345SH0002	2/26/2006

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Comments:	No recordable indications noted.							
727400	16-FW-1219 - H-2	COMPONENT SUPPORT	F1.20B	NDE-5711-CC VT	CC06-IV-079 Accept	045	91093	2/26/2006
Comments:	No recordable indications noted							
<b>Class 2</b>	<b>Category R-A</b>							
307150	14-SI-1201 - 1	VALVE SI-444 TO ELBOW	R1.20	NDE-5412-CC UT	CC06-IU-009 Accept	052	91097SH0011, SH0013	2/1/2006
Comments:	Single sided exam due to valve material. No recordable indications. Consider for relief							
310050	12-SI-1214 - 3	PIPE TO TEE	R1.20	NDE-5412-CC UT	CC06-IU-005 Accept	052	91097SH0026, 91168, 91109	1/30/2006
Comments:	Single sided exam. No recordable indications. Consider for relief							
310200	12-SI-1214 - 5	PIPE TO TEE	R1.20	NDE-5412-CC UT	CC06-IU-006 Accept	052	91097SH0026, 91168, 91109	1/30/2006
Comments:	Single sided exam. No recordable indications noted. Consider for relief							
310850	12-SI-1214 - 15	ELBOW TO TEE	R1.20	NDE-5412-CC UT	CC06-IU-002 Accept	052	91097SH0026, 91168, 91109	1/23/2006
Comments:	Root geometry indications noted intermittently 360 degrees.							
311050	12-SI-1214 - 18	ELBOW TO PIPE	R1.11	NDE-5412-CC UT	CC06-IU-003 Accept	052	91097SH0026, 91168, 91109	1/25/2006
Comments:	No recordable indications noted.							
312700	12-SI-1216 - 7	PIPE TO REDUCER	R1.20	NDE-5412-CC UT	CC06-IU-004 Accept	052	91097SH0006, 91110	1/30/2006
Comments:	No recordable indications noted.							
313950	10-SI-1203 - 13	ELBOW TO PIPE	R1.20	NDE-5412-CC UT	CC06-IU-001 Accept	052	91097SH0014	1/13/2006
Comments:	No recordable indications noted.							

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
314700	10-SI-1203 - 22	ELBOW TO PIPE	R1.20	NDE-5412-CC	UT CC06-IU-008 Accept	052	91097SH0014	2/7/2006
Comments:	No recordable indications noted.							
320150	6-SI-1201 - 9	ELBOW TO PIPE	R1.20	NDE-5412-CC	UT CC06-IU-007 Accept	052	91097SH0017, 91126	2/2/2006
Comments:	No recordable indications noted.							
340650	4-SI-1210 - 2	PIPE TO ELBOW	R1.20	NDE-5412-CC	UT CC06-IU-010 Accept	052	91169, 91153	2/8/2006
Comments:	No recordable indications noted.							
400400	10-CS-1202 - 8	PIPE TO ELBOW	R1.20	NDE-5412-CC	UT CC06-IU-011 Accept	061	91097SH0030	2/9/2006
Comments:	No recordable indications noted.							
400450	10-CS-1202 - 9	ELBOW TO PIPE	R1.20	NDE-5412-CC	UT CC06-IU-012 Accept	061	91097SH0030	2/9/2006
Comments:	No recordable indications noted.							
400850	10-CS-1218 - 2	PIPE TO ELBOW	R1.20	NDE-5412-CC	UT CC06-IU-013 Accept	061	91097SH0030, SH0001	2/14/2006
Comments:	No recordable indications noted.							
401200	10-CS-1218 - 9	PIPE TO TEE	R1.20	NDE-5412-CC	UT CC06-IU-015 Accept	061	91097SH0030, SH0001	2/16/2006
Comments:	Coverage limited due to configuration. No recordable indications. Consider for relief							
402950	8-CS-1204 - 12	PIPE TO ELBOW	R1.20	NDE-5412-CC	UT CC06-IU-082 Accept	061	91097SH0030	3/8/2006
Comments:	No recordable indications noted.							
410650	8-CS-1206 - 52	PIPE TO PIPE	R1.20	NDE-5412-CC	UT CC06-IU-078 Accept	061	91162, 91095, 91173	3/2/2006
Comments:	No recordable indications noted.							
415700	12-SC-1208 - 10	PIPE TO ELBOW	R1.20	NDE-5412-CC	UT CC06-IU-083 Accept	052	91097SH0002, SH0006	3/8/2006
Comments:	No recordable indications noted.							
421730	36-MS-1201 - 3	PIPE TO PIPE	R1.20	NDE-5411-CC	UT CC06-IU-056 Accept	083	60345SH0001	2/25/2006

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, 1RFO17**

1. Owner: Constellation Energy, 750 East Pratt Street, Baltimore  
 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs F  
 3. Plant Unit: 1

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 05/08/1975  
 6. National Board Number for Unit: 20911

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Comments:	No recordable indications noted.							
421770	36-MS-1201 - 2	ELBOW TO PIPE	R1.20	NDE-5411-CC	UT CC06-IU-045 Accept	083	60345SH0001	2/24/2006
Comments:	No recordable indications noted.							
421780	36-MS-1201 - 3	PIPE TO PIPE	R1.20	NDE-5411-CC	UT CC06-IU-047 Accept	083	60345SH0001	2/24/2006

**ENCLOSURE (2)**

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**CALVERT CLIFFS NUCLEAR POWER PLANT,  
INSERVICE INSPECTION SUMMARY REPORT  
FOR CALVERT CLIFFS UNIT 1  
ASME BOILER & PRESSURE VESSEL CODE  
SECTION XI, FORM NIS-2**

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## 2006-1 Class 1 and 2 NIS-2's Completed

MWO No.	R&R Number	Unique Equipment ID #	Section XI Class
1199701648	97-1-043	1#DB1-1019	Two
1200203664	2001-1-050	1PUMPRC12B(s)	One
1200201772	2003-1-021	1MOV637	Two
1200501094	2005-1-013	1PZVRXCSS11	One
1200404712	2005-1-014	1PZVRX11	One
1200303644	2005-1-015	1#CC-9, 1" & under	One
1200404619	2005-1-023	1HVRC-219	One
1200404623	2005-1-024	1CV100E	One
1200404347	2005-1-025	1ERV402	One
1200403172	2005-1-026	1CV638	One
1200405334	2005-1-030a	1HVMS-156	Two
	2005-1-030b	1#EB12-1029	Two
1200403674	2005-1-038	1#GC1-1015-H7	Two
1200404733	2005-1-042	1RV469	One
1200303755	2005-1-047	1CKVFW-130	Two
1200501479	2005-1-050a	1PZVRC11	One
	2005-1-050b	1#CC1-1006	One
	2005-1-050c	1PZVRC11	One
	2005-1-050d	1PZVRC11	One
	2005-1-050e	1PZVRC11	One
	2005-1-050f	1#CC1-1001	One
	2005-1-050g	1#CC1-1001	One
1200501480	2005-1-051	1#CC-1, 3/4" (RTD's & PDT's)	One
1200404503	2005-1-055	1ERV404	One
1200404727	2005-1-056	1RV200	One
1200404410	2005-1-057	1RV201	One
1200302985	2005-1-067a	1PUMPRC11B(s)	One
	2005-1-067b	1PUMPRC11B	One
1200404658	2006-1-006	1PZVRX11	One
1200600676	2006-1-011a	1HVPA-1044	Two
	2006-1-011b	1#HB43-1002	Two
SNUB POOL	SNUB-0-006	*SNUBBER POOL	1, 2, & 3

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/7/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 97-1-043, MWO No. 1199701648  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, Md. 20657 Exp Date: N/A  
(address) Section XI Class: Two

4. Identification of System: System Number 045 System Name: Feedwater

5. (a) Applicable Construction Code and Class: ASME B31.1.0d, 1967 Edition, 1972 Add

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	16"DB1-1019	N/A	#12 Steam Generator Feed Water Supply Piping	1975	Repaired/Replaced	No
Round Bar	Energy Steel & Supply Co.	42186 Ht.#: C28153	N/A	Bar, Round, 1 1/4 in., ASTM A-576, Gr. 1045	1999	Replacement	No
Pipe	Energy & Process Corporation	414601 Ht.#: A61483	N/A	Pipe, 16 in., schedule 80, ASTM A-106, Grade C	2005	Replacement	No

7. Description of Work:

This plan was for the replacement of a 4 foot section of feedwater piping 16"DB1-1019 on the downstream side of 1CKVFW-130.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: ☐ Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: 977 psi. Test Temperature: 80 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/7/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-6-06 to 5-1-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene R. Hancock*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13- 200 6

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/9/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2001-1-050, MWO No. 1200203064  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1983 Edition, Sum. 1983 Add; Class 1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	SN: 1C873	NB 1240	#12B Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	1200301717 SN: 1C864	NB 1236	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2003	Replacement	Yes

7. Description of Work:

This plan was for the replacement of the mechanical seal on #12B Reactor Coolant Pump.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
Pressure: 2260 psi. Test Temperature: 533 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/9/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-5-06 to 5-25-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene R. Larcene*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-12- 200 6

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/1/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-021, MWO No. 1200201772  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: Two

4. Identification of System: System Number 052 System Name: Safety Injection

5. (a) Applicable Construction Code and Class: ASME B31.1.0, 1967 Edition, CCases N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-MOV-637	N/A	12A Aux. High Pressure Safety Injection Loop Motor Operated Isolation Valve	1977	Repaired/Replaced	No
Disc	Velan Engineering Co.	77419-GX SN: 527-3	N/A	Valve Disc, 2 in., 1500 lb., AMS5387 (Stellite #6) or ASTM A-182 Gr. F316, Stellite #6 Hard Facing	1992	Replacement	No

7. Description of Work:

This plan was for the parts needed to rebuild 1-MOV-637, 12A Aux. High Pressure Safety Injection Loop Motor Operated Isolation Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/1/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-21-06 to 5-23-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

James A. Larcen

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13- 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/9/2006  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
 (address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-013, MWO No. 1200501094  
 (address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
 (name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
 (address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: Combustion Engineering Spec 8067-486-400 Reactor Vessel Internals

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

## 6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
Vessel Internals	Combustion Engineering	Core Support Structure	N/A	Unit #1 Reactor Vessel Core Support Structures	1971	Repaired/Replaced	No
6 Hole ICI Stalk Assy.	CE Nuclear Power LLC	400061 SN: 07 thru 12	N/A	Stalk Ass., 6 Hole, QuickLoc ICI Mod. West/CE P/N 165-001-01, per BGEDRWG 12147-0004SH0001A	2000	Replacement	No
6 Hole HJTC Stalk Assy.	CE Nuclear Power LLC	411350 SN: 01 & 02	N/A	Stalk Ass., HJTC, 6 Hole, QuickLoc ICI Mod. West/CE P/N 165-006-01, per BGEDRWG 12147-0049SH0001,2,3	2005	Replacement	No

## 7. Description of Work:

This plan was for the Electrical Discharge Machining (EDM) work on the Upper Guide Structure Support Plate and Fuel Alignment Plate and for the underwater welding of the HJTC tube holders to the Control Element Assembly Shroud and the funnel to the Upper Guide Structure Support Plate. All of the original items mentioned above are considered parts of the Core Support and are controlled by Section XI. This plan also covers the QuickLoc Stalk Assembly pressure retaining parts added to the ICI stalks.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: ☐ Inservice: ☐ Leakage: ☐ Functional: ☐  
 Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:

  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/9/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-8-06 to 4-12-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030' N "I"

Inspector's Signature

Date: 6-15-2006

National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is



## FORM NIS-2 (Back)

## 7. Description of Work:

This plan was for the installation of the Replacement Reactor Vessel Closure Head on the Unit #1 Reactor Vessel. It also covers the vent line hanger modification performed under R&R 2006-0-001.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
 Pressure: 2260 psi. Test Temperature: 533 Deg. F

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. A Section XI Surface Examination of the affected component was performed to satisfy Section XI Pre-Service Requirements. A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

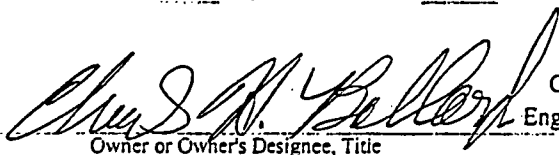
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
 Owner or Owner's Designee, Title

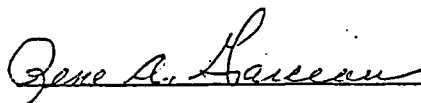
Charles H. Ballard  
 Engineering Technician

Date: 6/8/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-14-06 to 5-10-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" I

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13 - 2006

**FORM NPY-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\***  
As Required by the Provisions of the ASME Code, Section III, Div. 1 Page 1 of 2

1. Manufactured by Rockwell International, P.O. Box 501, Sulphur Springs, TX 75482  
(Name and Address of N Certificate Holder)  
2. Manufactured for Baltimore Gas & Electric Co., P.O. Box 1535, Baltimore, MD 21203  
(Name and Address of Purchaser or Owner)  
3. Location of Installation Calvert Cliffs Nuclear Electric, Lusby, MD 20657  
(Name and Address)  
4. Pump or Valve Valve - Globe Nominal Inlet Size 3/4" Outlet Size 3/4"  
(Inch) (Inch)

	(a) Model No.	(b) N Certificate Holder's	(c) Canadian	(d) Drawing	(e) Class	(f) Nat'l.	(g) Year
	Series No.	Serial	Registration	No.		Std. No.	Built
	or Type	No.	No.	No.			
(1)	15104T1	BV326	NA	C-31602688-1	1	NA	1984
(2)		BV327					
(3)		BV328					
(4)		BV329					
(5)		BV330					
(6)		BV331					
(7)		BV332					
(8)		BV333					
(9)	↓	BV334	↓	↓	↓	↓	↓
(10)	15104T1	BV335	NA	C-31602688-1	1	NA	1984

5. Rockwell International Assembly Lot No. H6246-2 Qty. 18  
(Brief description of service for which equipment was designed)  
\*\*Metal Diaphragm with Backup Stem Seal Design Report 8489181

6. Design Conditions 2340 psi 800 °F or Valve Pressure Class 1690 (1)  
(Pressure) (Temperature)  
7. Cold Working Pressure 3650 psi at 100°F.  
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
NA			
(b) Forgings			
Bodies SK417#1	SA182GRF316	Texas Forge	Carpenter Heat 847737

(1) For manually operated valves only.

\* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 3 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

## FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
NA			
(d) Other Parts			
Bonnets F8015	SA479T316	Coulter	Joslyn Ht. 85531
Bonnets F7756	SA479T316	Coulter	Joslyn Ht. 85531
Disks F5979#1	A565GR616	Crucible	Heat A11509
Disks F8360#1	A565GR616	Crucible	Heat A11509
Disks F8397#1	A565GR616	Crucible	Heat A11509
Stems F7904#1	SA564T630	Crucible	Heat A14303
Stems F8198#1	SA564T630	Crucible	Heat A14303
Sealweld Filler	SFA5.9ER316	Teledyne McKay	Heat L2037

9. Hydrostatic test 6350 psi. Disk Differential test pressure 4015 psi.

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. I, Edition 1977.  
 Addenda Summer, 1978 Code Case No. N-30-1\*\* Date 8/6/84  
 Signed Rockwell International by [Signature]  
(Date)  
(N Certificate Holder)  
 Our ASME Certificate of Authorization No. N-1814 to use the (N) symbol expires 8/12/86  
(M) (Date)

## CERTIFICATION OF DESIGN

Design information on file at Rockwell International, Sulphur Springs, Texas  
 Stress analysis report (Class F only) on file at Rockwell International, Sulphur Springs, Texas

Design specifications certified by (1) Robert F. Ash  
 PE State MD Reg. No. 9198  
 Stress analysis certified by (1) Wayne S. Briggs  
 PE State TX Reg. No. 49145

(1) Signature not required. List name only.

## CERTIFICATE OF SHOP 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 Texas and employed by Victoria Lloyds' Ins. Co. of Houston, Texas 77098 have inspected the pump, or valve, described in this Data Report on 8-3 19 84, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.

Date 8-3 19 84  
James [Signature] Commissions Texas 782  
(Inspector) (Natl Bd., State, Prov. and No.)



Rockwell  
International

- | (a) Model No.,<br>Series No.<br>Or Type | (b) Manufacturer's<br>Serial<br>No. | (c) Canadian<br>Registration<br>No. | (d) Drawing<br>No. | (e) Class | (f) Nat'l.<br>Bd.No. | (g) Year<br>Built |
|---|-------------------------------------|-------------------------------------|--------------------|-----------|----------------------|-------------------|
|---|-------------------------------------|-------------------------------------|--------------------|-----------|----------------------|-------------------|

11.	15104T1	BV336	NA	C-31602688-1	1	NA	1984
12.	↓	BV337	↓	↓	↓	↓	↓
13.	↓	BV338	↓	↓	↓	↓	↓
14.	↓	BV339	↓	↓	↓	↓	↓
15.	↓	BV340	↓	↓	↓	↓	↓
16.	↓	BV341	↓	↓	↓	↓	↓
17.	↓	BV342	↓	↓	↓	↓	↓
18.	15104T1	BV343	NA	C-31602688-1	1	NA	1984
19.							
20.							
21.							
22.							
23.							
24.							
25.							

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of 3

Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3

2. Manufactured for Calvert Cliffs Nuclear Power Plant - Units 1 & 2

3. Location of Installation 1650 Calvert Cliffs Parkway, Lusby, Maryland 20657

4. Type: 104JE001 See List #1 See List #1 -- 2005  
(drawing no.) (Mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1995 1996 1 --  
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- Revision -- Date --  
(no.)

7. Remarks: JSW N-2 form for head forging is attached.

8. Nom. Thickness (in.) See List #2 Min. design thickness (in.) See List #2 Dia. ID (ft & in.) 17'-1" Length overall (ft & in.) 8'-0 11/16"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 104J-01	213	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

6. Design pressure 2500 Psig. Temp. 650 °F Hydro. test pressure 3125 psig At temp. 70°F Min.

Supplemental information in the form of lists, sketches, or drawings may be provided (1) size is 8 1/2 X 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded on the top of this form.

FORM N-2(back Pg. 2 of 3 )

Certificate Holder's Serial Nos. 104J-01 through -

### CERTIFICATION OF DESIGN

Design specification certified by R. Klärner Province Ont. Reg. No. 2406453  
(when applicable) P.E. State  
Design report\* certified by L. Vizi Province Ont. Reg. No. 48244206  
(when applicable) P.E. State

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Reactor Vessel Head  
Conforms to the rules of construction of the ASME Code, Section III, Division 1.  
NPT Certificate of Authorization No. N-2791 Expires January 23, 2007  
Date June 29/05 Name Babcock & Wilcox Canada Signed P. Satter for W. Hanson  
(NPT Certificate Holder) (authorized representative)

### CERTIFICATE OF 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 Ontario and employed by Technical Standards & Safety Authority  
of Ontario have inspected these items described in this Data Report on June 30/05, and state that to the  
Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Div. 1.  
Each part listed has been authorized for stamping on the date shown above.  
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date June 30/05 Signed [Signature] Commissions NB#8112-N-B  
(Authorized Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

**Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 3 of 3

Certificate Holder's Serial Nos 104J-01 through ---  
National Board Nos --- through ---

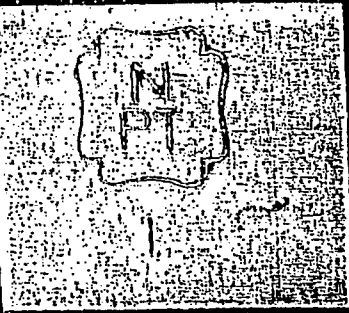

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3  
2. Manufactured for Calvert Cliffs Nuclear Power Plant -- Units 1 & 2  
3. Location of Installation 1650 Calvert Cliffs Parkway, Lusby, Maryland 20657  
4. Type; 104JE001 See List #1 See List #1 -- 2005  
(drawing no.) (Mat'l spec. no.) (tensile strength) (CRN) (year built)  
5. ASME Code, Section III, Division 1: 1995 1996 1 --  
(edition) (addenda date) (class) (Code Case no.)

List #1:


	Material Specification	Tensile Strength (Min.)
Closure Head	SA-508 Gr. 3 Cl. 1	80 ksi
CEDM Nozzle	SA-182 Gr. F316L/316	70 ksi
CEDM Tube	SB-167 UNS N06690	85 ksi
ICI Nozzle	SA-182 Gr. F316L/316	70 ksi
ICI Tube	SB-167 UNS N06690	85 ksi
Vent Pipe	SB-167 UNS N06690	85 ksi

List #2:

	Nominal Thickness	Minimum Design Thickness
Closure Head	7.5"	4.38"
CEDM Nozzle	0.434"	0.279"
CEDM Tube	0.430"	0.204"
ICI Nozzle	0.430"	0.389"
ICI Tube	0.380"	0.283"
Vent Pipe	0.114"	0.050"

**CERTIFIED BY**  
**BABCOCK & WILCOX**  
**CANADA**  
**SERIAL No 104J** 

**FOR**

**CONSTELLATION GENERATION GROUP**  
**GALVERT CLIFFS NUCLEAR POWER PLANT UNIT**   
**REPLACEMENT REACTOR VESSEL CLOSURE HEAD**  
**ASME CODE SECTION III, CLASS 1, 1995, 1996 ADDENDA**

W.O.-850721 OPER-DISO

104JRV1990MA

5726863

SHIPPING, ARRGT RPV1



5082.90

*Shupka,*  
*06/28/05*



**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by The Japan Steel Works, Ltd., Muroran Plant/4 Chatsu-machi, Muroran, Hokkaido, 051-8505 Japan  
(name and address of NPT Certificate Holder)
2. Manufactured for Babcock & Wilcox, 581 Coronation Blvd., Cambridge, Ontario, N1R 5V3, Canada  
(name and address of purchaser)
3. Location of Installation CALVERT CLIFFS-1 Nuclear Power Plant, Maryland  
(name and address)
4. Type N148700N, Rev. #2 SA-508, Gr. 3 Cl. 1 Min. 80 ksi - 2003  
(drawing no.) (matl. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1995 addenda 1 -  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) - Revision - Date -  
(no.)
7. Remarks: \* Hydrostatic test is not performed in The Japan Steel Works, Ltd.  
Cladding thickness is min. 0.20" from base metal  
Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16
8. Nom. thickness (in.) 7 1/2" Min. design thickness (in.) 7 3/8" Dia. ID (ft & in.) 13'-10" Length overall (ft & in.) 7'-1.75"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 1066	469	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(7/89) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

\* P.O. No. : CM5534212

JSW Job No. : FN2-3019

Heat No. : 02D908-1-1  
02D994-1-1

JSW P.C. No. : 1



E00040

FORM N-2 (Back — Pg 2 of 2)

Certificate Holder's Serial Nos. 1066 through

## CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. no. N/A  
(when applicable)  
 Design report\* certified by N/A P.E. State N/A Reg. no. N/A  
(when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires June 29, 2004  
The Japan Steel Works, Ltd.  
 Date Aug. 19, 2003 Name Murotan Plant Signed J. Taira  
(NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 IL and employed by E.S.B.I. & I. Co.  
 of HARTFORD, CT. have inspected these items described in this Data Report on Aug. 19, '03, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section  
 III, Division 1. Each part listed has been authorized for stamping on the date shown above.  
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described  
 in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage  
 or loss of any kind arising from or connected with this inspection.

Date Aug. 19, 2003 Signed [Signature] Commissions NB10104, N, B, A  
(Authorized Nuclear Inspector) [Natl. Bd. (incl. endorsements) and state or prov. and no.]

Removed for further  
 manufacturing - 10/21/03  
 To be shipped with  
 Data Package  
 S. Donbus

[Signature] AWE.  
 05/13/05

# RECORD OF MARKING

Customer : BABCOCK & WILCOX  
 User : CONSTELLATION ENERGY GROUP  
 P.O.No. : CM3334212  
 Project No. : 104J  
 Project : CALVERT CLIFFS-1  
 Customer's part No : 5214701  
 JSW Job No. : FN2-3019  
 Material : ASME SA-508, Gr.3 CL.1 WITH S.S. OVERLAY  
 Heat No. : CLOSURE HEAD DOME : 02D908-1-1  
 CLOSURE HEAD FLANGE : 02D894-1-1  
 JSW PC No. : 1

Component : REPLACEMENT REACTOR PRESSURE VESSEL HEADS

Part's name : CLOSURE HEAD FORGING

Stage : FAB. No. 30

(Seq. No. : 30)

IR No. 2019-1-30 (1/1)  
 THE JAPAN STEEL WORKS, LTD.  
 MURORAN PLANT

Date of Issue : Aug. 19, 2003

*[Signature]*  
 Manager of Inspection Group

Customer's Dwg. No. : 104JE100 Rev.00

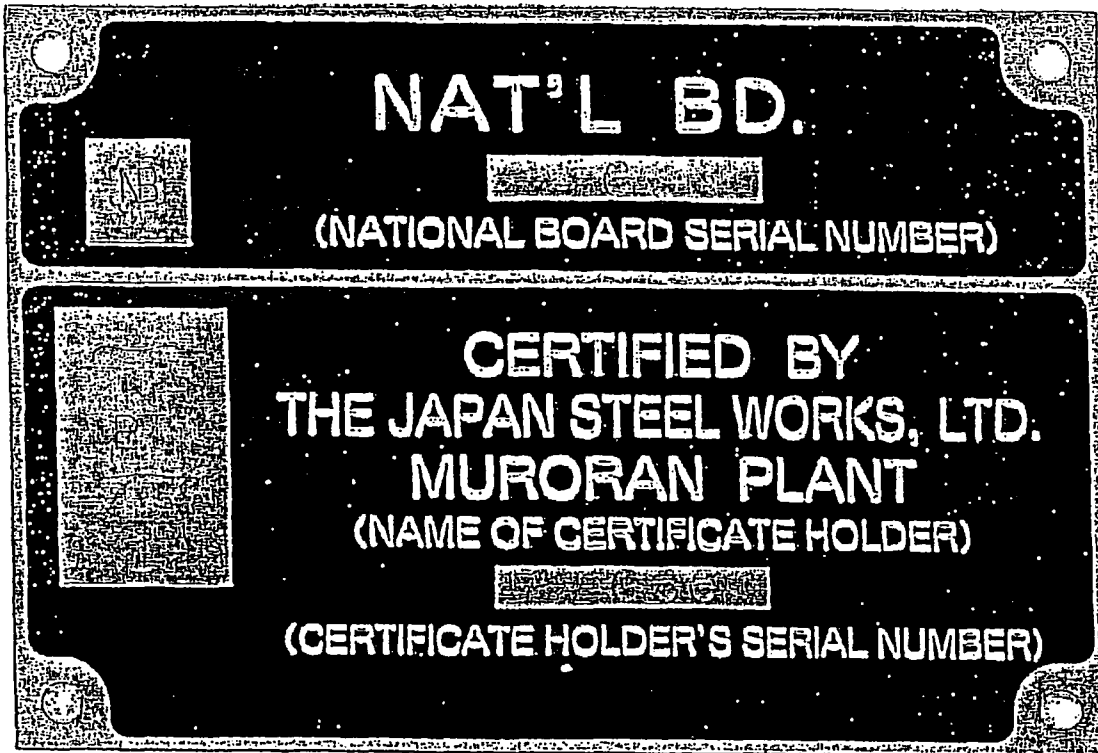
JSW Dwg. No. : N148706-NP Rev. 0

JSW Spec. No. : - Rev.-

Date of Inspection : Aug. 19, 2003

Results : Acceptable

Examined by : *[Signature]*



*Witnessed and Verified*  
*Attachment*  
*Aug. 19, 2003*

RECEIVED  
 1/19/03  
 104J

JSA-03-242

49/56

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5178 and Motor Housing Assembly S/N 5207

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3222</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3222 through 3222

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)  
 Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21395	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5191 and Motor Housing Assembly S/N 5209

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3223</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3223 through 3223

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000





## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3224 through 3224

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)  
 Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5154 and Motor Housing Assembly S/N 5212

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3225	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3225 through 3225

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5970  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5172 and Motor Housing Assembly S/N 5213

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3226</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3226 through 3226

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLaughlin  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21395	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5187 and Motor Housing Assembly S/N 5214

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3227</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3227 through 3227

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these Items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21395	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5204 and Motor Housing Assembly S/N 5215

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3228</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3228 through 3228

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)
2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)
3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)
4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5160 and Motor Housing Assembly S/N 5218
8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3229	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/4 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3229 through 3229

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21395	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of Installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5199 and Motor Housing Assembly S/N 5219

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3230</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3230 through 3230

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. J. McShane  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)
2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)
3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)
4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5162 and Motor Housing Assembly S/N 5220
8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3231	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi. Temp. 650 °F. Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3231 through 3231

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05 and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5212 and Motor Housing Assembly S/N 5208

8. Nom. thickness (in.) .240    Min. design thickness (in.) .167    Dia. ID (ft & in.) 4.905"    Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3232</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi,    Temp. 650 °F,    Hydro. test pressure 3125 psi    at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3232 through 3232

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5211 and Motor Housing Assembly S/N 5221

8. Nom. thickness (in.) .240    Min. design thickness (in.) .167    Dia. ID (ft & in.) 4.905"    Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3233</u>	<u>N/A</u>	(26) _____	_____
(2) _____	_____	(27) _____	_____
(3) _____	_____	(28) _____	_____
(4) _____	_____	(29) _____	_____
(5) _____	_____	(30) _____	_____
(6) _____	_____	(31) _____	_____
(7) _____	_____	(32) _____	_____
(8) _____	_____	(33) _____	_____
(9) _____	_____	(34) _____	_____
(10) _____	_____	(35) _____	_____
(11) _____	_____	(36) _____	_____
(12) _____	_____	(37) _____	_____
(13) _____	_____	(38) _____	_____
(14) _____	_____	(38) _____	_____
(15) _____	_____	(40) _____	_____
(16) _____	_____	(41) _____	_____
(17) _____	_____	(42) _____	_____
(18) _____	_____	(43) _____	_____
(19) _____	_____	(44) _____	_____
(20) _____	_____	(45) _____	_____
(21) _____	_____	(46) _____	_____
(22) _____	_____	(47) _____	_____
(23) _____	_____	(48) _____	_____
(24) _____	_____	(49) _____	_____
(25) _____	_____	(50) _____	_____

10. Design pressure 2500 psi,    Temp. 650 °F,    Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3233 through 3233

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)
2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)
3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)
4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)
5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)
7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5175 and Motor Housing Assembly S/N 5222
8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3234	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3234 through 3234

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5151 and Motor Housing Assembly S/N 5227

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each Item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3235</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/4 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3235 through 3235

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)  
 Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21403	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5155 and Motor Housing Assembly S/N 5234

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3236</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3236 through 3236

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21403	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5202 and Motor Housing Assembly S/N 5235

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3237	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3237 through 3237

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21395	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3238 through 3238

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malteson P.E. State CT Reg. no. 12140  
 (when applicable)  
 Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21395	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5196 and Motor Housing Assembly S/N 5708

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3239	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3239 through 3239

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malleson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McClan  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of Installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5186 and Motor Housing Assembly S/N 5709

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3240</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3240 through 3240

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McCall  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3241 through 3241

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLaughlin  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of Installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5166 and Motor Housing Assembly S/N 5711

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3242	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3242 through 3242

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3243 through 3243

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/12/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/12/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/12/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5194 and Motor Housing Assembly S/N 5217

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3244	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3244 through 3244

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21350	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

**As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production**

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5185 and Motor Housing Assembly S/N 5226

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3245	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3245 through 3245

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21403	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5203 and Motor Housing Assembly S/N 5703

8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each Item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3246	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi,      Temp. 650 °F,      Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3246 through 3246

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5152 and Motor Housing Assembly S/N 5707

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3247	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3247 through 3247

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5181 and Motor Housing Assembly S/N 5722

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) ... 3248	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3248 through 3248

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by <u>Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801</u> <small>(name and address of NPT Certificate Holder)</small>				
2. Manufactured for <u>Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500</u> <small>(name and address of purchaser)</small>				
3. Location of installation <u>Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657</u> <small>(name and address)</small>				
4. Type	<u>**See Back</u> <small>(drawing no.)</small>	<u>**See Back</u> <small>(mat'l spec. no.)</small>	<u>**See Back</u> <small>(tensile strength)</small>	<u>N/A</u> <small>(CRN)</small>
5. ASME Code, Section III, Division 1:	<u>1998</u> <small>(edition)</small>	<u>2000</u> <small>(addenda date)</small>	<u>1</u> <small>(class)</small>	<u>2005</u> <small>(year built)</small>
6. Fabricated in accordance with Const. Spec. (Div. 2 only)	<u>N/A</u> <small>(no.)</small>	Revision	<u>N/A</u>	Date <u>N/A</u>
7. Remarks: <u>CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5197 and Motor Housing Assembly S/N 5701</u>				

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3249	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3249 through 3249

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McEllan  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5210 and Motor Housing Assembly S/N 5704

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3250	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3250 through 3250

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5200 and Motor Housing Assembly S/N 5705

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3251</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3251 through 3251

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)
2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)
3. Location of Installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)
4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)
5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)
7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5213 and Motor Housing Assembly S/N 5713
8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3252</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi,      Temp. 650 °F,      Hydro. test pressure 3125 psi      at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3252 through 3252

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5184 and Motor Housing Assembly S/N 5784

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3253</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 6 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3253 through 3253

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/13/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New York and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/13/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/13/05 Signed [Signature] Commissions NY5070  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5201 and Motor Housing Assembly S/N 5714

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3254</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3254 through 3254

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/24/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. M. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/24/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Chris Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5208 and Motor Housing Assembly S/N 5717

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3255</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3255 through 3255

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/24/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McShane  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/24/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Curt Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5188 and Motor Housing Assembly S/N 5720

8. Nom. thickness (in.) .240    Min. design thickness (in.) .167    Dia. ID (ft & in.) 4.905"    Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3256	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi,    Temp. 650 °F,    Hydro. test pressure 3125 psi    at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3256 through 3256

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/24/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/24/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Curt Hauer Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3257 through 3257

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/24/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McShane  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/24/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Chris Hannon Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3258 through 3258

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/24/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/24/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Chris Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

Pg. 1 of 2

**9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:**

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3259	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3259 through 3259

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)  
 Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/24/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/24/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5189 and Motor Housing Assembly S/N 5718

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3260	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3260 through 3260

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5183 and Motor Housing Assembly S/N 5783

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3261	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3261 through 3261

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Chris Hume Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	.04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5165 and Motor Housing Assembly S/N 5716

8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3262</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi,      Temp. 650 °F,      Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3262 through 3262

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT. of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 10/25/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5170 and Motor Housing Assembly S/N 5762

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3263</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3263 through 3263

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	MT21476	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	MT21474	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5164 and Motor Housing Assembly S/N 5773

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3264	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3264 through 3264

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matleson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLaughlin  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	05-0611	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	05-0346	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)
2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)
3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)
4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)
5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)
7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5169 and Motor Housing Assembly S/N 5774
8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3265</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi,      Temp. 650 °F,      Hydro. test pressure 3125 psi      at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3265 through 3265

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. M. McLaughlin  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Carl H. Hume Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	05-0611	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	05-0346	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5173 and Motor Housing Assembly S/N 5775

8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3266</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3266 through 3266

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5150 and Motor Housing Assembly S/N 5778

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3267</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3267 through 3267

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McElroy  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Carl Johnson Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5192 and Motor Housing Assembly S/N 5780

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>3268</u>	<u>N/A</u>	(26) _____	_____
(2) _____	_____	(27) _____	_____
(3) _____	_____	(28) _____	_____
(4) _____	_____	(29) _____	_____
(5) _____	_____	(30) _____	_____
(6) _____	_____	(31) _____	_____
(7) _____	_____	(32) _____	_____
(8) _____	_____	(33) _____	_____
(9) _____	_____	(34) _____	_____
(10) _____	_____	(35) _____	_____
(11) _____	_____	(36) _____	_____
(12) _____	_____	(37) _____	_____
(13) _____	_____	(38) _____	_____
(14) _____	_____	(38) _____	_____
(15) _____	_____	(40) _____	_____
(16) _____	_____	(41) _____	_____
(17) _____	_____	(42) _____	_____
(18) _____	_____	(43) _____	_____
(19) _____	_____	(44) _____	_____
(20) _____	_____	(45) _____	_____
(21) _____	_____	(46) _____	_____
(22) _____	_____	(47) _____	_____
(23) _____	_____	(48) _____	_____
(24) _____	_____	(49) _____	_____
(25) _____	_____	(50) _____	_____

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3268 through 3268

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/25/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McEllan  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/25/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/25/05 Signed Carl Hume Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5161 and Motor Housing Assembly S/N 5224

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each Item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3269</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3269 through 3269

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McElroy  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Chris Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21403	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5171 and Motor Housing Assembly S/N 5231

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3270	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydr. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3270 through 3270

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matleson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McPherson  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Chris Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21403	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5209 and Motor Housing Assembly S/N 5702

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3271</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3271 through 3271

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McShane  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Chris Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5168 and Motor Housing Assembly S/N 5706

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3272</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3272 through 3272

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Ant Hannon Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	MT21404	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5179 and Motor Housing Assembly S/N 5719

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3273</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3273 through 3273

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041.. Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Chris Hanson Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5176 and Motor Housing Assembly S/N 5723

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3274</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3274 through 3274

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malleson P.E. State CT Reg. no. 12140  
 (when applicable)  
 Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5157 and Motor Housing Assembly S/N 5724

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3275</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3275 through 3275

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McShane  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Chris Hama Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5193 and Motor Housing Assembly S/N 5725

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3276</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3276 through 3276

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Chris Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21391	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5163 and Motor Housing Assembly S/N 5782

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, 'Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3277</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3277 through 3277

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/26/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/26/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/26/05 Signed Carl Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of Installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type      \*\*See Back      \*\*See Back      \*\*See Back      N/A      2005  
(drawing no.)      (mat'l spec. no.)      (tensile strength)      (CRN)      (year built)

5. ASME Code, Section III, Division 1:      1998      2000      1      N-4-11, 2142-2  
(edition)      (addenda date)      (class)      (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only)      N/A      Revision      N/A      Date      N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5198 and Motor Housing Assembly S/N 5765

8. Nom. thickness (in.) .240      Min. design thickness (in.) .167      Dia. ID (ft & in.) 4.905"      Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3279</u>	<u>N/A</u>	(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(38) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

10. Design pressure 2500 psi,      Temp. 650 °F,      Hydro. test pressure 3125 psi      at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) Information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3279 through 3279

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/27/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. A. Stevens  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/27/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/27/05 Signed C. J. Harris Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	05-0611	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	05-0346	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5180 and Motor Housing Assembly S/N 5768

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 3280	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3280 through 3280

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malleson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/27/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McElroy  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/27/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/27/05 Signed Carl Hansen Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	05-0611	SA182 F348	70, 000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110, 000
SCEDM-163-112	07	3	Lower End Fitting	05-0346	SA182 F348	70, 000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75, 000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75, 000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75, 000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5206 and Motor Housing Assembly S/N 5776

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3282	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.



## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3282 through 3282

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/27/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/27/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/27/05 Signed Ant Hanton Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)
2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)
3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)
4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5159 and Motor Housing Assembly S/N 5779
8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 3283	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3283 through 3283

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Malteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/27/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed J. D. McLean  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT of Hartford, CT have inspected these items described in this Data Report on 10/27/05, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 10/27/05 Signed Carl Hauer Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA-182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	MT21475	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0341	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed one Day's Production

Pg. 1 of 2

1. Manufactured and certified by Westinghouse Electric Co. LLC, 74 Old Dover Road, Newington, NH 03801  
(name and address of NPT Certificate Holder)

2. Manufactured for Westinghouse Electric Co. LLC, 20 International Drive, Windsor, CT 06095-0500  
(name and address of purchaser)

3. Location of installation Calvert Cliffs Unit 1, 1650 Calvert Cliffs Parkway, Lusby MD 20657  
(name and address)

4. Type \*\*See Back \*\*See Back \*\*See Back N/A 2005  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 1 N-4-11, 2142-2  
(edition) (addenda date) (class) (Code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: CEDM Pressure Housing Assembly consisting of Upper Pressure Housing Assembly S/N 5207 and Motor Housing Assembly S/N 5781

8. Nom. thickness (in.) .240 Min. design thickness (in.) .167 Dia. ID (ft & in.) 4.905" Length overall (ft & in.) 214.8"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>3284</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(38)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2500 psi, Temp. 650 °F, Hydro. test pressure 3125 psi at temp. 60 °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of the sheets is recorded on this form.

## FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 3284 through 3284

## CERTIFICATION OF DESIGN

Design specifications certified by Donn M. Matteson P.E. State CT Reg. no. 12140  
 (when applicable)

Design report certified by J. A. Stevens P.E. State CT Reg. no. 11030  
 (when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) CEDM Pressure Housing Assembly  
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2041 Expires February 20, 2008

Date 10/27/05 Name Westinghouse Electric Company,  
LCC Newington Operations Signed [Signature]  
 (NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF 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 New Hampshire and employed by HSB CT  
 of Hartford, CT have inspected these items described in this Data Report on 10/27/05, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,  
 Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in  
 this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss  
 of any kind arising from or connected with this inspection.

Date 10/27/05 Signed [Signature] Commissions NH710  
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\* From Page 1, Line 4

DRAWING NO.	DWG. REV.	ITEM NO.	ITEM DESCRIPTION	MATERIAL IDENT.	MATERIAL SPECIFICATION	TENSILE (PSI)
SCEDM-163-112	07	1	Upper End Fitting	04-0279	SA182 F348	70,000
SCEDM-163-112	07	2	Motor Housing	MT21388	SA 182 F403-Mod Code Case N-4-11	110,000
SCEDM-163-112	07	3	Lower End Fitting	04-0280	SA182 F348	70,000
SCEDM-163-102	08	1	Upper End Fitting	28971	SA 479 TYPE 316	75,000
SCEDM-163-102	08	2	Tube	04-0340	SA 213 TYPE 316	75,000
SCEDM-163-102	08	3	Lower End Fitting	28970	SA 479 TYPE 316	75,000

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner:	<u>Calvert Cliffs Nuclear Power Plant, Inc.</u> (name)	Date:	<u>6/14/2006</u>				
	<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u> (address)	Sheet 1 of	<u>2</u>				
2. Plant:	<u>Calvert Cliffs Nuclear Power Plant</u> (name)	Unit:	<u>One</u>				
	<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u> (address)	R&R No. 2005-1-015, MWO No. 1200303644	(P.O. no., job no., etc.)				
3. Work Performed by:	<u>Calvert Cliffs Nuclear Power Plant</u> (name)	Type Code Symbol Stamp:	<u>N/A</u>				
	<u>1650 Calvert Cliffs Parkway, Lusby, MD 20657</u> (address)	Authorization No.:	<u>N/A</u>				
		Exp Date:	<u>N/A</u>				
		Section XI Class:	<u>One</u>				
4. Identification of System:	System Number <u>064</u>	System Name:	<u>Reactor Coolant System</u>				
5. (a) Applicable Construction Code and Class:	<u>ASME B31.7, 1969 Edition, Sum. 1971c Add; Class 1</u>						
(b) Applicable Sect XI Ed. for Repairs/Replacement	<u>1998 Edition</u>						
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	Reactor Vessel Head Vent	N/A	Reactor Cooling Sys. Instrumentation and vent line piping/tubing	1970	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: AJ7985	N/A	Pipe, 3/4 in. Sch. 80, ASME SA-376, Tp. 316	2000	Replacement	No
Adapter	Die-A-Matic Inc.	F-2531 Ht. Code: 149A	N/A	Adapter, 3/4 in. X 3/4 in. Pipe/Tubing, Parker, P/N 12-3/4-AW-SS, ASME SA182 or SA479, Gr. F316	1975	Replacement	No
Nut	Mackson Inc.	411524 Ht.#: S44037	N/A	Nut, Heavy Hex, 3/4 in. X 10 TPI, ASME SA-194, Gr. 2H	2003	Replacement	No
Rod	Mackson Inc.	408692 Ht.#: 3401H5512	N/A	Rod, Allthread, 3/4 in. X 10 TPI, ASME SA-193, Gr. B7	2002	Replacement	No
Groove Flange	DuBose National Energy Services Inc.	54906-GX Ht.#: D4214	N/A	Flange, 3/4 in., 1500 lb., Sch. 80, Large Groove, Socketweld, ASME SA-182, Gr. F316	1992	Replacement	No
Tongue Flange	Hub Inc.	29600-GX Ht.#: D3350	N/A	Flange, 3/4 in., 1500 lb., Sch. 80, Large Tongue, Socketweld, ASME SA-182, Gr. F316	1990	Replacement	No
Tubing Union	Parker Hannifin Corp	34290-GX Ht.#: CAKE	N/A	Union, Tubing, 3/4 in. Parker Hannifin, P/N 12-12HBZ-SS, ASME SA-182 or SA-479, Gr. F316	1989	Replacement	No
Elbow	Tioga Pipe Supply Co. Inc.	415510 Ht. Code: HO	N/A	Elbow, Pipe, 3/4 in., 45 Deg., 3000 lb., Socketweld, ASME SA-182, Gr. F316	2005	Replacement	No

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

Angle	Consolidated Power Supply	17166-GX1 20923	Ht.#:	N/A	Angle, 4 in. X 4 in. X 3/8 in., ASME SA-479, Tp. 316	1996	Replacement	No
Steel Plate	DuBose National Energy Services Inc.	400432	Ht.#: 813705	N/A	Plate, Steel, 1/2 in. X 48 in. X 96 in., ASTM-A240, Tp. 304	2002	Replacement	No
Capscrew	Mackson Inc.	412466	Ht.#: 6959H	N/A	Capscrew, Hex Head, 1/2 in. X 1 1/2 in. X 13 TPI, ASME SA-193 Gr. B8M	2004	Replacement	No
Nut	DuBose National Energy Services Inc.	405813	Ht.#: 719010	N/A	Nut, Heavy Hex, 1/2 in. X 13 TPI, ASME SA-194, Gr. 8M	2001	Replacement	No

## 7. Description of Work:

This plan was for the modification and replacement work on 3/4" CC-9-1001, Reactor Vessel Cooling Sys. Instrumentation and vent line piping/tubing.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
 Pressure: N/A psi. Test Temperature: N/A Deg. F

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/14/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-23-06 to 4-20-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Gene A. Hadden

Commissions: NATIONAL BOARD 6030 "N" #

Inspector's Signature

National Board, State, and Endorsements

Date: 6-14-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/1/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-023, MWO No. 1200404619  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B31.1.0, 1967 Edition, CCases N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	69-4126-027	N/A	#11A Pressurizer Spray Control Valve (1-CV-100E), By-pass Throttling Valve	1975	Repaired/Replaced	No
Plug & Seat Ring Assembly	ABB Combustion Engineering	15127-MX SN: 1G3807	N/A	Assembly, Plug & Seat Ring, 3/4 in. Globe Valve, ASTM A-351, Gr. CF8M, BGEDRWG #12121-0016, item# 6	1982	Replacement	No

7. Description of Work:

This plan was for the material/parts needed to rebuild 1-HVRC-219, #11A Pressurizer Spray Control Valve (1-CV-100E), By-pass Throttling Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/1/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 6-9-05 to 4-9-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/1/2006  
(name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-024, MWO No. 1200404623  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B31.1.0, 1967 Edition, CCases N-2, N-10  
(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	ITT Hammel Dahl	69-4126-001	N/A	# 11A Pressurizer Spray Control Valve	1975	Repaired/Replaced	No
Plug	Flowserve Corporation	400322 SN: 2	N/A	Plug for 3 in. 1500 lb. ITT Hammel-Dahl Angle Valve, BGEDRWG #12121-0006, item #6	2000	Replacement	No

7. Description of Work:

This plan was for the parts needed to rebuild 1-CV-100E, # 11A Pressurizer Spray Control Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:

Charles H. Ballard

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date:

6/1/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 6-9-05 to 5-3-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Gene A. Harrison

Commissions: NATIONAL BOARD 6630 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/1/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-025, MWO No. 1200404347  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases 1581, N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	BS-07325	N/A	Unit #1 Pressurizer Electromatic Power Operated Safety Valve	1975	Repaired/Replaced	No
Electromatic Relief Valve	Wyle Laboratories	414570 SN: BY-68900	N/A	Valve, Pressurizer ERV, 2 1/2 in. 2500 lb., Consolidated Electromatic, P/N: 31533VX-30-2-XFF1-NC2005	2005	Replacement	No
Disc	Dresser Industries Inc.	404221 SN: ADH89	N/A	Disc, Main, 2 1/2 in., P/N 4235801N, ASTM A565, Gr. 616, ERV, BGEDRWG #12965-0022, Item# 2	2001	Replacement	No

7. Description of Work:

This plan was for the replacement of 1-ERV-402, Unit-1 Pressurizer Power Operated Relief Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
Pressure: 2260 psi. Test Temperature: 533 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

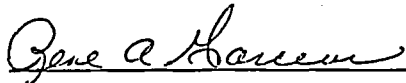
Charles H. Ballard  
Engineering Technician

Date: 6/1/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-21-06 to 5-26-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD "N" I

Date: 6-13-2006 Inspector's Signature

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/7/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-026, MWO No. 1200403172  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 052 System Name: Safety Injection

5. (a) Applicable Construction Code and Class: ASME B31.1.0, 1967 Edition, CCases N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	SN: 83839-005	N/A	#12A Safety Injection Tank, Check Valve leakage drain CV to R.W.T.	1974	Repaired/Replaced	No
Plug Assembly	Tyco Valves & Controls LP, Crosby Div.	416013 SN:K99963-31-0001	N/A	Plug & Stem Ass. 1 in. 1500 lb. ITT Hammel-Dahl Unbalanced Globe Valve, BGEDRWG 12121-0013, item #6	2006	Replacement	No

7. Description of Work:

This plan was for the parts needed to rebuild 1-CV-638, #12A Safety Injection Tank Reactor Safeguards Check Valve leakage drain to R.W.T.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/7/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-9-06 to 4-12-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Harrison*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2006  
(name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-030a, MWO No. 1200405334  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: Two

4. Identification of System: System Number 083 System Name: Main Steam & SG Blowdown

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1971 Edition, Win. 1972 Add, Class 2  
(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-HVMS-156	N/A	Main Steam Drain 1-DR-6 Drain Valve First Isolation	1977	Repaired/Replaced	Yes
Gate Valve	Velan Engineering Co.	90585-GX SN: 941156-1	N/A	Valve, Gate, 1 1/2 in., 800 lb., Socketweld, ASME SA-105, BGEDRWG #12968-0121, Item 13	1994	Replacement	Yes

7. Description of Work:

This plan was for the parts needed to replace 1-HVMS-156, first isolation valve off of the drain line for 1-DR-6.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
Pressure: 904 psi. Test Temperature: 530 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-2 (Back)

## 9. Remarks:

Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/15/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 7-7-06 to 3-26-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Lawrence*

Commissions: NATIONAL BOARD 6030 "N" I

Inspector's Signature

National Board, State, and Endorsements

Date: 6-19- 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2006  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
 (address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-030b, MWO No. 1200405334  
 (address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
 (name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
 (address) Section XI Class: Two

4. Identification of System: System Number 083 System Name: Main Steam & SG Blowdown

5. (a) Applicable Construction Code and Class: ASME B31.7, 1969 Edition, Sum. 1971c Add; Class 2

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1 1/2"EB-12-1029	N/A	Main Steam Drain 1-DR-6 Piping	1975	Repaired/Replaced	No
Threaded Nipple	DuBose National Energy Services Inc.	10486-GX Heat Code: S52	N/A	Nipple, Pipe, Threaded, 1 1/2 in. X 6 in. long, Schedule 80; ASME SA-106, Gr. B	1996	Replacement	No

7. Description of Work:

This plan was for the parts needed to support the replacement of 1-HVMS-156, first isolation valve off of the drain line for 1-DR-6 on line 1 1/2"EB-12-1029.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
 Pressure: 904 psi. Test Temperature: 530 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

**Certificate of Compliance**

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/15/2006

**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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 7-7-05 to 3-26-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Opene R. Hancock*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-19-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/1/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-038, MWO No. 1200403674  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: Two

4. Identification of System: System Number 052 System Name: Safety Injection

5. (a) Applicable Construction Code and Class: ASME B31.7, 1969 Edition, Sum. 1971c Add; Class 2

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	12"GC1-1015-H7	N/A	Support for LPSI/SDC return Piping to RCS Loop	1975	Repaired/Replaced	No
Spring Can	Anvil International Inc. Grinnell Supports	415622 PN: 82N	N/A	Hanger, Spring, Variable, Grinnell Fig. 82N, Size 11, Type-A	2005	Replacement	No
Pipe Clamp	Anvil International Inc. Grinnell Supports	415622 PN: 216N	N/A	Clamp, Pipe, 12 in., Medium, Grinnell Fig. 216N, with Bolting	2005	Replacement	No

7. Description of Work:

This plan was for the replacement of a spring can at hanger location 12"GC-1-1015-H7, Support for LPSI/SDC return Piping to RCS Loop.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance


We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/1/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 10-27-05 to 5-25-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

Date: 6-13 - 2006

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/8/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-042, MWO No. 1200404733  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 052 System Name: Safety Injection

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1971 Edition, Class 1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Crosby Valve & Gage Co.	N55296-01-0009	N/A	Unit #1 Shutdown Cooling Containment Side Return Header Relief Valve	1973	Repaired/Replaced	Yes
Relief Valve	BGE CCNPP Shops	1200101169 SN: N55296-01-0032	N/A	Valve, Relief, Nozzle Type, 3/4 in. X 1 in., Style JR-WR-S Type B, BGEDRWG #12791-0007	2002	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-RV-469, which is Shutdown Cooling Containment Side Return Header Relief Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

## Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/8/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-11-06 to 4-6-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Harcourt*

Commissions: NATIONAL BOARD 6030

Inspector's Signature

National Board, State, and Endorsements

Date: 6-12-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/1/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-047, MWO No. 1200303755  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: Two

4. Identification of System: System Number 045 System Name: Feedwater

5. (a) Applicable Construction Code and Class: ASME B31.1.0, 1967 Edition

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Rockwell International	SN: E5711-28	N/A	#12 Steam Generator Feed Water Supply Check Valve	1975	Repaired/Replaced	No
Screw	Edward Valves Inc.	408074 Heat Code: K52	N/A	Screw, Hvy Hex Hd, 16 in. Check Valve, Edwards Fig. 970Y, A-193 Gr. B7, BGE #12399-0002 Item #12	2002	Replacement	No

7. Description of Work:

This plan was for the parts needed to assist in the rebuilding of 1-CKVFW-130, #12 Steam Generator Feedwater Check Valve. Weld build-up of the eroded/corroded areas was also allowed under this plan.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/1/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-5-06 to 4-7-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" I

Date: 6-13- 2006 Inspector's Signature

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/13/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-050a, MWO No. 1200501479  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A  
CCases: 1336, 1338-3, 1359-1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE-67602	20915	#11 Pressurizer	1975	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the Mechanical Stress Improvement Process (MSIP) on the Pressurizer Surge Line, 12"CC-2-1001, at the Pressurizer.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-25-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Spencer A. Lawrence*

Commissions: NATIONAL BOARD 6030 'N' 'I'

Inspector's Signature

National Board, State, and Endorsements

Date: 6-14-06 200 6

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/13/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-050b, MWO No. 1200501479  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: ASME B31.7, 1968 Draft Edition; Class 1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Combustion Engineering	42" CC-1-1006	N/A	#12 Reactor Coolant Hot Leg Piping	1974	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the Mechanical Stress Improvement Process (MSIP) on the Shutdown Cooling Line, 12"CC-14-1004, from the #12 RCS Hot Leg.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: ☐ Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-25-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Hecceau*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

Date: 6-14- 2006

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/13/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-050c, MWO No. 1200501479  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A  
CCases: 1336, 1338-3, 1359-1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE-67602	20915	#11 Pressurizer	1975	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the Mechanical Stress Improvement Process (MSIP) on the Pressurizer Spray Line, 4"CC-11-1003, to #11 Pressurizer.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-25-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Harsen*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-14-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Calvert Cliffs Nuclear Power Plant, Inc.</u>		Date: <u>6/13/2006</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		Sheet 1 of 2					
(address)							
2. Plant: <u>Calvert Cliffs Nuclear Power Plant</u>		Unit: <u>One</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		<u>R&amp;R No. 2005-1-050d, MWO No. 1200501479</u>					
(address)		(P.O. no., job no., etc.)					
3. Work Performed by: <u>Calvert Cliffs Nuclear Power Plant</u>		Type Code Symbol Stamp: <u>N/A</u>					
(name)		Authorization No.: <u>N/A</u>					
<u>1650 Calvert Cliffs Parkway, Lusby, MD 20657</u>		Exp Date: <u>N/A</u>					
(address)		Section XI Class: <u>One</u>					
4. Identification of System: System Number <u>064</u> System Name: <u>Reactor Coolant System</u>							
5. (a) Applicable Construction Code and Class: <u>ASME B&amp;PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A</u>							
<u>CCases: 1336, 1338-3, 1359-1</u>							
(b) Applicable Sect XI Ed. for Repairs/Replacement <u>1998 Edition</u>							
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE-67602	20915	#11 Pressurizer	1975	Repaired/Replaced	Yes
7. Description of Work:							
This plan WAS for the Mechanical Stress Improvement Process (MSIP) on the Pressurizer Relief Valve Nozzle Line, 4"CC-10-1005, to 1-RV-200.							
8. Tests Conducted: Hydrostatic: <input type="checkbox"/> Pneumatic: <input type="checkbox"/> Nominal Operating Pressure: Inservice: <input type="checkbox"/> Leakage: <input type="checkbox"/> Functional: <input type="checkbox"/>							
Pressure: <u>N/A</u> psi. Test Temperature: <u>N/A</u> Deg. F							

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-26-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Hucan*

Commissions: NATIONAL BOARD 6030 "N" "I"

Date: 6-14-2006 Inspector's Signature

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Calvert Cliffs Nuclear Power Plant, Inc.</u>		Date: <u>6/13/2006</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		Sheet 1 of 2					
(address)							
2. Plant: <u>Calvert Cliffs Nuclear Power Plant</u>		Unit: <u>One</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		R&R No. <u>2005-1-050e</u> , MWO No. <u>1200501479</u>					
(address)		(P.O. no., job no., etc.)					
3. Work Performed by: <u>Calvert Cliffs Nuclear Power Plant</u>		Type Code Symbol Stamp: <u>N/A</u>					
(name)		Authorization No.: <u>N/A</u>					
<u>1650 Calvert Cliffs Parkway, Lusby, MD 20657</u>		Exp Date: <u>N/A</u>					
(address)		Section XI Class: <u>One</u>					
4. Identification of System: System Number <u>064</u> System Name: <u>Reactor Coolant System</u>							
5. (a) Applicable Construction Code and Class: <u>ASME B&amp;PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A</u>							
<u>CCases: 1336, 1338-3, 1359-1</u>							
(b) Applicable Sect XI Ed. for Repairs/Replacement <u>1998 Edition</u>							
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE-67602	20915	#11 Pressurizer	1975	Repaired/Replaced	Yes
7. Description of Work:							
This plan was for the Mechanical Stress Improvement Process (MSIP) on the Pressurizer Relief Valve Nozzle Line, 4"CC-10-1006, to 1-RV-201.							
8. Tests Conducted: Hydrostatic: <input type="checkbox"/> Pneumatic: <input type="checkbox"/> Nominal Operating Pressure: Inservice: <input type="checkbox"/> Leakage: <input type="checkbox"/> Functional: <input type="checkbox"/>							
Pressure: <u>N/A</u> psi. Test Temperature: <u>N/A</u> Deg. F							

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-25-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Harrison*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-14- 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/13/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-050f, MWO No. 1200501479  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B31.7, 1968 Draft Edition; Class 1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Combustion Engineering	42" CC-1-1001	N/A	#11 Reactor Coolant Hot Leg Piping	1974	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the Mechanical Stress Improvement Process (MSIP) on the #11 RCS Hot Leg Drain, 2"CC-9-1007.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-25-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Hanson*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-14- 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Calvert Cliffs Nuclear Power Plant, Inc.</u>		Date: <u>6/13/2006</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		Sheet 1 of 2					
(address)							
2. Plant: <u>Calvert Cliffs Nuclear Power Plant</u>		Unit: <u>One</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		<u>R&amp;R No. 2005-1-050g, MWO No. 1200501479</u>					
(address)		(P.O. no., job no., etc.)					
3. Work Performed by: <u>Calvert Cliffs Nuclear Power Plant</u>		Type Code Symbol Stamp: <u>N/A</u>					
(name)		Authorization No.: <u>N/A</u>					
<u>1650 Calvert Cliffs Parkway, Lusby, MD 20657</u>		Exp Date: <u>N/A</u>					
(address)		Section XI Class: <u>One</u>					
4. Identification of System: System Number <u>064</u> System Name: <u>Reactor Coolant System</u>							
5. (a) Applicable Construction Code and Class: <u>ASME B31.7, 1968 Draft Edition; Class 1</u>							
(b) Applicable Sect XI Ed. for Repairs/Replacement <u>1998 Edition</u>							
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Combustion Engineering	42" CC-1-1001	N/A	#11 Reactor Coolant Hot Leg Piping	1974	Repaired/Replaced	Yes
7. Description of Work:							
This plan was for the Mechanical Stress Improvement Process (MSIP) on the Pressurizer Surge Line, 12"CC-2-1001, at the #11 RCS Hot Leg nozzle.							
8. Tests Conducted: Hydrostatic: <input type="checkbox"/> Pneumatic: <input type="checkbox"/> Nominal Operating Pressure: Inservice: <input type="checkbox"/> Leakage: <input type="checkbox"/> Functional: <input type="checkbox"/>							
Pressure: <u>N/A</u> psi. Test Temperature: <u>N/A</u> Deg. F							

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 1-25-06 to 6-8-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Laseau*

Commissions: NATIONAL BOARD 6030 "N" "I"

Date: 6-14-2006 Inspector's Signature

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/13/2006  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 3  
 (address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-051, MWO No. 1200501480  
 (address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
 (name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
 (address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B31.7, 1968 Draft Edition; Class 1  
 (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:							ASME Code Stamped (Yes or No)
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	
Piping System	Combustion Engineering	42" CC-1, 3/4" RTD's & PDT's	N/A	Unit #1 Reactor Coolant Piping Instrument/Sample taps & associated piping	1970	Repaired/Replaced	No
Tubing	DuBose National Energy Services Inc.	400298 Ht#:452424	N/A	Tubing, 3/4 in. X .065 Wall, ASME SA 213, Tp. 316	2000	Replacement	No
Thermowell	Weed Instrument Co., Inc.	415814 SN: N20173, N20174	N/A	Thermowell, 3/4 in., Primary Resistance Temperature Detector, ASME SB-166, Tp. 690 (N06690)	2006	Replacement	No
Thermowell	Weed Instrument Co., Inc.	415814 SN: N20164, N20170	N/A	Thermowell, 3/4 in., Primary Resistance Temperature Detector, ASME SB-166, Tp. 690 (N06690)	2006	Replacement	No
Thermowell	Weed Instrument Co., Inc.	415814 SN: N20160, N20163	N/A	Thermowell, 3/4 in., Primary Resistance Temperature Detector, ASME SB-166, Tp. 690 (N06690)	2006	Replacement	No
Thermowell	Weed Instrument Co., Inc.	415814 SN: N20154, N20156	N/A	Thermowell, 3/4 in., Primary Resistance Temperature Detector, ASME SB-166, Tp. 690 (N06690)	2006	Replacement	No
Thermowell	Weed Instrument Co., Inc.	415814 SN: N20151, N20152	N/A	Thermowell, 3/4 in., Primary Resistance Temperature Detector, ASME SB-166, Tp. 690 (N06690)	2006	Replacement	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#600541 & 030830	N/A	Pipe, 3/4 in. Sch. 80, ASME SA-376, Tp. 316	2000	Replacement	No
Adapter	Die-A-Matic Inc.	F-2531 Ht. Code: 149A	N/A	Adapter, 3/4 in. X 3/4 in. Pipe/Tubing, Parker, P/N 12-3/4-AW-SS, ASME SA182 or SA479, Gr. F316	1975	Replacement	No
Tubing Union	Die-A-Matic Inc.	F-6251 Ht. Code: 257	N/A	Union, Tubing, 3/4 in. Parker Hannifin, P/N 12HW-SS, ASTM/ASME A/SA182 or A/SA479, Gr. F316	1975	Replacement	No



Tubing Union	Die-A-Matic Inc.	F-2531 Ht. Code: 305A	N/A	Union, Tubing, 3/4 in. Parker Hannifin, P/N 12HW-SS, ASTM/ASME A/SA182 or A/SA479, Gr. F316	1975	Replacement	No
Hermavalue	Rockwell International Flow Control Division	40074-GX SN:BV320,BV323,BV339	N/A	Valve, Globe, 3/4 in., 1690 lb., Hermavalue, ASME SA-182, Tp. 316, BGEDRWG. #12847-0050&0062, item 3	1983	Replacement	Yes
Hermavalue	Rockwell International Flow Control Division	40074-GX SN: BV15,BV316,BV318	N/A	Valve, Globe, 3/4 in., 1690 lb., Hermavalue, ASME SA-182, Tp. 316, BGEDRWG. #12847-0050&0062, item 3	1983	Replacement	Yes
Hermavalue	Flowserve Corporation	416195 SN: 32BEL & 33BEL	N/A	Valve, Globe, 3/4 in., 1690 lb., Hermavalue, ASME SA-182, Tp. 316, BGEDRWG. #12847-0050&0062, item 3	2006	Replacement	Yes
RTD Half Nozzle	Areva, Framatome ANP, Inc.	416056 5067559001-10 & -20	N/A	Nozzle, Half, RTD, Areva P/N 5067559-001, ASME SA-479, Tp. 316, per 12024-0005SH0003	2005	Replacement	No
RTD Half Nozzle	Areva, Framatome ANP, Inc.	416056 5067559001-01thru-08	N/A	Nozzle, Half, RTD, Areva P/N 5067559-001, ASME SA-479, Tp. 316, per 12024-0005SH0003	2005	Replacement	No
PDT & Sample Half Nozzle	Areva, Framatome ANP, Inc.	416056 5067561001-01thru-07	N/A	Nozzle, Half, PDT, Areva P/N 5067561-001, ASME SA-479, Tp. 316, per 12024-0005SH0003	2005	Replacement	No
PDT & Sample Half Nozzle	Areva, Framatome ANP, Inc.	416056 5067561001-10 & -11	N/A	Nozzle, Half, PDT, Areva P/N 5067561-001, ASME SA-479, Tp. 316, per 12024-0005SH0003	2005	Replacement	No

#### 7. Description of Work:

This Plan was for the installation of 19 new 3/4" nozzles on #11 & 12 Reactor Coolant Hot Leg Piping Instrument/sample taps (RTD's & PDT's). The Instrument taps and sample point associated with this work were; 1-TE-112HA, HB, HC, HD; 1-PDT-111A, B, C, D; 1-SX-6452; 1-TE-122HA, HB, HC, HD; 1-PDT-121A, B, C, D; 1-TE-111X, 121X. This plan also covered the work needed to install the thermowells/pipe welds to these nozzles.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/13/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-16-06 to 3-15-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*James A. Harrison*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-14- 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/5/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-055, MWO No. 1200404503  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases 1581, N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	BY-77325	N/A	Unit #1 Pressurizer Electromatic Power Operated Safety Valve	1996	Repaired/Replaced	No
Electromatic Relief Valve	Wyle Laboratories	414570 SN: BY-11098	N/A	Valve, Pressurizer ERV, 2 1/2 in. 2500 lb., Consolidated Electromatic, P/N: 31533VX-30-2-XFF1-NC2005	2005	Replacement	No

7. Description of Work:

This plan was for the replacement of 1-ERV-404, Unit-1 Pressurizer Power Operated Relief Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
Pressure: 2260 psi. Test Temperature: 533 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:

  
Owner or Owner's Designee, Title

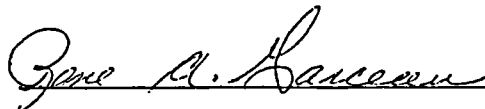
Charles H. Ballard  
Engineering Technician

Date: 6/5/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-21-06 to 4-10-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Cliffs Nuclear Power Plant, Inc. (name)	Date:	6/1/2006				
	1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address)	Sheet 1 of	2				
2. Plant:	Calvert Cliffs Nuclear Power Plant (name)	Unit:	One				
	1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address)	R&R No. 2005-1-056, MWO No. 1200404727 (P.O. no., job no., etc.)					
3. Work Performed by:	Calvert Cliffs Nuclear Power Plant (name)	Type Code Symbol Stamp:	N/A				
	1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)	Authorization No.:	N/A				
		Exp Date:	N/A				
		Section XI Class:	One				
4. Identification of System:	System Number	064	System Name: <u>Reactor Coolant System</u>				
5. (a) Applicable Construction Code and Class:	ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases N-2, N-10						
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition						
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BN-04373	N/A	Unit #1 Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Nozzle	Dresser Industries Inc.	410314 SN: AHD44	N/A	Nozzle, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 4231701N, ASME SA-182 Gr. F347	2003	Replacement	Yes
Relief Valve	Dresser Industries Inc.	414653 SN: BM-07953	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 200 location.	2005	Replacement	Yes
Disc	Dresser Industries Inc.	414884 SN: ADU57	N/A	Disc, Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 1840404N, ASME SB-637 Gr. 688 (UNS N07750)	2005	Replacement	Yes
Compression Screw	Exelon Generation Co. LLC	414696 SN: AAA26	N/A	Screw, Compression, Pressurizer Relief Valve, 2500 lb., Dresser P/N 4041505N, ASME SB-164 Cl. A	2005	Replacement	Yes
Spring Assembly	Dresser Industries Inc.	414653 Washers Ht.: 79288	N/A	Spring and Washer Assembly, Valve, Safety Relief, Consolidated-Dresser, BGEDRWG 12119-0009, item 5	2005	Replacement	Yes
Spring Assembly	Dresser Industries Inc.	414653 Spring SN: 88957-1	N/A	Spring and Washer Assembly, Valve, Safety Relief, Consolidated-Dresser, BGEDRWG 12119-0009, item 5	2005	Replacement	Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

## FORM NIS-2 (Back)

## 7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-200. While at the vendor for rebuilding the spring assembly, nozzle, compression screw and disc were replaced.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
 Pressure: 2260 psi. Test Temperature: 533 Deg. F

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/1/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-23-06 to 5-10-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Opus A. Lucciani

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/7/2006  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
 (address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
 (name)  
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-057, MWO No. 1200404410  
 (address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
 (name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
 (address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement

1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BM-07948	N/A	Unit #1 Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Nozzle	Enertech Inc.	409135 SN: ADM59	N/A	Nozzle, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 4231701N, ASME SA-182 Gr. F347	2003	Replacement	Yes
Relief Valve	Dresser Industries Inc.	412384 SN: BM-07952	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 201 location.	2005	Replacement	Yes
Disc	Enertech Inc.	411828 SN: ADR37	N/A	Disc, Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 1840404N, ASME SB-637 Gr. 688 (UNS N07750)	2004	Replacement	Yes
Spring Assembly	Consumer Power Co.	414543 Wash Ht.#: 45842 & 3	N/A	Spring and Washer Assembly, Valve, Safety Relief, Consolidated-Dresser, BGEDRWG 12119-0009, item 5	2005	Replacement	Yes
Spring Assembly	Consumer Power Co.	414543 Spring Ht.#: 96872	N/A	Spring and Washer Assembly, Valve, Safety Relief, Consolidated-Dresser, BGEDRWG 12119-0009, item 5	2005	Replacement	Yes

7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-201.

8. Tests Conducted: Hydrostatic: \_\_\_\_\_ Pneumatic: \_\_\_\_\_ Nominal Operating Pressure: \_\_\_\_\_ Inservice: \_\_\_\_\_ Leakage: ☒ Functional: \_\_\_\_\_  
 Pressure: 2260 psi. Test Temperature: 533 Deg. F

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

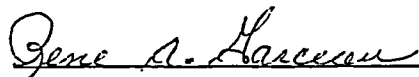
Charles H. Ballard  
Engineering Technician

Date: 6/7/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-21-06 to 6-1-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-13- 200 6



# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Calvert Cliffs Nuclear Power Plant, Inc.</u> (name)	Date: <u>6/14/2006</u>																								
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u> (address)	Sheet 1 of 2																								
2. Plant: <u>Calvert Cliffs Nuclear Power Plant</u> (name)	Unit: <u>One</u>																								
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u> (address)	R&R No. <u>2005-1-067a</u> , MWO No. <u>1200302985</u> (P.O. no., job no., etc.)																								
3. Work Performed by: <u>Calvert Cliffs Nuclear Power Plant</u> (name)	Type Code Symbol Stamp: <u>N/A</u> Authorization No.: <u>N/A</u> Exp Date: <u>N/A</u> Section XI Class: <u>One</u>																								
<u>1650 Calvert Cliffs Parkway, Lusby, MD 20657</u> (address)																									
4. Identification of System: System Number <u>064</u> System Name: <u>Reactor Coolant System</u>																									
5. (a) Applicable Construction Code and Class: <u>ASME B&amp;PV Code Sect. III, 1983 Edition, Sum. 1983 Add; Class 1</u>																									
(b) Applicable Sect XI Ed. for Repairs/Replacement	<u>1998 Edition</u>																								
6. Identification of Components Repaired or Replaced and Replacement Components:																									
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Name of Component</th><th>Name of Manufacturer</th><th>Manufacturers Serial Number</th><th>National Board No.</th><th>Other Identification</th><th>Year Built</th><th>Repaired, Replaced, or Replaced (Yes or No)</th><th>ASME Code Stamped (Yes or No)</th></tr></thead><tbody><tr><td>RCP Seal</td><td>Sulzer Bingham Inc.</td><td>SN: 1C866</td><td>NB 1238</td><td>#11B Reactor Coolant Pump Mechanical Seal.</td><td>1988</td><td>Repaired/Replaced</td><td>Yes</td></tr><tr><td>Seal</td><td>BGE CCNPP Shops</td><td>1200203958 SN: 1C869</td><td>NB 1294</td><td>Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074</td><td>2004</td><td>Replacement</td><td>Yes</td></tr></tbody></table>		Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)	RCP Seal	Sulzer Bingham Inc.	SN: 1C866	NB 1238	#11B Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes	Seal	BGE CCNPP Shops	1200203958 SN: 1C869	NB 1294	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2004	Replacement	Yes
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)																		
RCP Seal	Sulzer Bingham Inc.	SN: 1C866	NB 1238	#11B Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes																		
Seal	BGE CCNPP Shops	1200203958 SN: 1C869	NB 1294	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2004	Replacement	Yes																		
7. Description of Work: This plan was for the replacement of the mechanical seal on #11B Reactor Coolant Pump.																									
8. Tests Conducted: Hydrostatic: <input type="checkbox"/> Pneumatic: <input type="checkbox"/> Nominal Operating Pressure: Inservice: <input type="checkbox"/> Leakage: <input checked="" type="checkbox"/> Functional: <input type="checkbox"/> Pressure: <u>2260</u> psi. Test Temperature: <u>533</u> Deg. F																									

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

## Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/14/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-16-06 to 5-23-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Gene A. Rouseau

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-15-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/14/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2005-1-067b, MWO No. 1200302985  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pump	Byron Jackson Pump	681-N-0440	N/A	#11B Reactor Coolant Pump	1970	Repaired/Replaced	Yes
Cover	Flowserve Corporation; Pump Div.	415973 SN: 681-N-0439	N/A	Pump Cover and Heat Exchanger Assembly, Bryon Jackson Part No. 1E-3567V V	2005	Replacement	Yes

7. Description of Work:

This plan was for the parts needed to rebuild #11B Reactor Coolant Pump. Only the pump cover is a Section XI pressure retaining part. The pump cover was removed from #12A Reactor Coolant Pump under MO. #1199700104 and then rebuilt.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
Pressure: 2260 psi. Test Temperature: 533 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

## Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

*Charles H. Ballard*  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/14/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-16-06 to 5-23-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

*Gene A. Laveau*

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-15-2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/14/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2006-1-006, MWO No. 1200404658  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A  
CCases: 1335-2, 1336, 1359-1

(b) Applicable Sect XI Ed. for Repairs/Replacement: 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	Vessel SN: 67107; Head SN: 67207	20911	Unit #1 Reactor Vessel and Head	1971	Repaired/Replaced	Yes
Collar, Comp. Q-Loc	CE Nuclear Power LLC	411350 SN: 01 thru 08	N/A	Collar, Compression, for Quick-Loc ICI Assembly. Westinghouse/CE P/N E-Quickloc-165-002-23, Item 23	2005	Replacement	No
Nut, Quickloc ICI Assy	CE Nuclear Power LLC	411350 SN: 01 thru 03	N/A	Nut, Quick-Loc ICI Assembly, Westinghouse/CE P/N E-Quickloc-165-002-24, Item No. 24	2005	Replacement	No
Nut, Quickloc ICI Assy	CE Nuclear Power LLC	400061 SN: 09,11,13,14&15	N/A	Nut, Quick-Loc ICI Assembly, Westinghouse/CE P/N E-Quickloc-165-002-24, Item No. 24	2000	Replacement	No
Plug, Quickloc, Swagelok	CE Nuclear Power LLC	411350 Ht.: OMS,LEN,OXK,NTV	N/A	Plug, Swagelok, Quick-Loc ICI Mod. Westinghouse/CE P/N E-Quickloc-165-014-8, Item No. 33	2005	Replacement	No
Plug, Quickloc, Swagelok	CE Nuclear Power LLC	411350 Ht.: OKE,ODU,OOJ	N/A	Plug, Swagelok, Quick-Loc ICI Mod. Westinghouse/CE P/N E-Quickloc-165-014-8, Item No. 33	2005	Replacement	No

7. Description of Work:

This plan was for the installation of new Quick-Loc parts on to the new Replacement Reactor Vessel Closure Head on the Unit #1 Reactor Vessel.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐  
Pressure: 2260 psi. Test Temperature: 533 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/14/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-14-06 to 4-10-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Gene A. Lawrence

Commissions: NATIONAL BOARD 6030 "N" "I"

Inspector's Signature

National Board, State, and Endorsements

Date: 6-15- 2006

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Calvert Cliffs Nuclear Power Plant, Inc.</u>		Date: <u>6/8/2006</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		Sheet 1 of 2					
(address)							
2. Plant: <u>Calvert Cliffs Nuclear Power Plant</u>		Unit: <u>One</u>					
(name)							
<u>1650 Calvert Cliffs Parkway; Lusby, MD 20657</u>		R&R No. 2006-1-011a, MWO No. 1200600676					
(address)		(P.O. no., job no., etc.)					
3. Work Performed by: <u>Calvert Cliffs Nuclear Power Plant</u>		Type Code Symbol Stamp: <u>N/A</u>					
(name)		Authorization No.: <u>N/A</u>					
<u>1650 Calvert Cliffs Parkway, Lusby, MD 20657</u>		Exp Date: <u>N/A</u>					
(address)		Section XI Class: <u>Two</u>					
4. Identification of System: System Number <u>019</u> System Name: <u>Compressed (Instrument) Air</u>							
5. (a) Applicable Construction Code and Class: <u>ASME Draft Code for Pumps &amp; Valves, 1968 Edition, March 1970 Add; Class 2</u>							
(b) Applicable Sect XI Ed. for Repairs/Replacement <u>1998 Edition</u>							
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-HVPA-1044	N/A	Unit #1 Plant Air Isolation Valve (Containment Penetration #19B)	1975	Repaired/Replaced	Yes
Globe Valve	Velan Engineering Co.	90585-GX SN: 941159-3	N/A	Valve, Globe, 2 in., 800 lb., Socketweld, ASME SA-105, BGEDRWG #12968-0123, Item 24	1994	Replacement	Yes
7. Description of Work:							
This plan was for the parts needed to replace 1-HVPA-1044, Unit #1 Plant Air Isolation Valve (Containment Penetration #19B).							
8. Tests Conducted: Hydrostatic: <input type="checkbox"/> Pneumatic: <input type="checkbox"/> Nominal Operating Pressure: Inservice: <input checked="" type="checkbox"/> Leakage: <input type="checkbox"/> Functional: <input type="checkbox"/>							
Pressure: <u>LLRT 50</u> psi. Test Temperature: <u>N/A</u> Deg. F							

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

**Certificate of Compliance**

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 6/8/2006

**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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-9-06 to 4-14-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" "I"

Date: 6-13 2006

Inspector's Signature

National Board, State, and Endorsements



# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/8/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2006-1-011b, MWO No. 1200600676  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: Two

4. Identification of System: System Number 019 System Name: Compressed (Instrument) Air

5. (a) Applicable Construction Code and Class: ASME B31.7, 1969 Edition, Sum. 1971c Add; Class 2

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"HB43-1002	N/A	Unit #1 Plant Air Piping (Containment Penetration #19B)	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: A43794	N/A	Pipe, 2 in., Sch. 80, ASME SA-106, Gr. B	2000	Replacement	No

7. Description of Work:

This plan was for the supporting material needed to replace 1-HVPA-1044 on piping 2"HB-43-1002.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☒ Leakage: ☐ Functional: ☐  
Pressure: LLRT 50 psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

## Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

  
Owner or Owner's Designee, Title

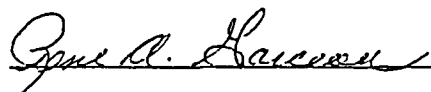
Charles H. Ballard  
Engineering Technician

Date: 6/8/2006

## 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-9-06 to 4-14-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.



Commissions: NATIONAL BOARD 6030 "N" "I"

Date: 6-13-2006

Inspector's Signature

National Board, State, and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 5/24/2006  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2  
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: Common  
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. SNUB-0-006, MWO No. SNUB POOL  
(address) (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Type Code Symbol Stamp: N/A  
(name) Authorization No.: N/A  
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A  
(address) Section XI Class: 1, 2, & 3

4. Identification of System: System Number 065B System Name: Seismic Snubbers

5. (a) Applicable Construction Code and Class: ASME B31.1 1967 Ed, 1972 Add; B31.7 1969 Ed, Sum. 1971 Add.; MSS-SP-58, 1967 Ed.

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Snubber Pool	Grinnell Corporation	Snubber Pool	N/A	Hydraulic Shock and Sway Suppressor	1975	Repaired/Replaced	No
Snubber	Grinnell Corporation	59013-GX SN: 32319	N/A	Hydraulic Shock and Sway Suppressor, 1 1/2 in. Bore X 5 in. Stroke, Grinnell Fig. 200 Opt. 1	1991	Replacement	No
Snubber	Grinnell Corporation	59013-GX SN: 32408	N/A	Hydraulic Shock and Sway Suppressor, 5 in. Bore X 5 in. Stroke, Grinnell Fig. 200, Miller Cylinder	1991	Replacement	No

7. Description of Work:

This plan was for the continued control of the Snubber Pool and documentation of new components/parts added to the Snubber Pool per Section XI 1998, IWA-4132, Items Rotated From Stock. This plan covered all Snubber work from the end of Unit #2, 2005 outage through to the end of Unit #1, 2006 outage.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐  
Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

### Certificate of Compliance

We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: \_\_\_\_\_

Owner or Owner's Designee, Title

Charles H. Ballard  
Engineering Technician

Date: 5/24/2006

### 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 of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-29-05 to 3-17-06, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Bene A. Hansen

Commissions: NATIONAL BOARD 6030, "N.I."

Inspector's Signature

National Board, State, and Endorsements

Date: 6-15- 200 6