Charles H. Cruse
Vice President
Nuclear Energy

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4455

Constellation
Nuclear

Calvert Cliffs
Nuclear Power Plant

A Member of the
Constellation Energy Group

August 10, 2001

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 2; Docket No. 50-318
Inservice Inspection Report

Please find enclosed the Inservice Inspection Report for the Calvert Cliffs Nuclear Power Plant Unit 2. This inspection fulfilled the intentions and requirements stated in our program plan and our commitment to comply with American Society of Mechanical Engineers Code Section XI Inservice Inspection Requirements.

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

CHC/ALS/bjd

Enclosures: (1) ASME Boiler & Pressure Vessel Code Section XI, Form NIS-1
(2) ASME Boiler & Pressure Vessel Code Section XI, Form NIS-2

cc: Mr. Craig Lowry

(Without Enclosures)
R. S. Fleishman, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC
D. M. Skay, NRC
H. J. Miller, NRC
Resident Inspector, NRC
R. I. McLean, DNR

A047

ENCLOSURE (1)

CALVERT CLIFFS NUCLEAR POWER PLANT

INSERVICE INSPECTION SUMMARY REPORT

FOR CALVERT CLIFFS UNIT 2

ASME BOILER AND PRESSURE VESSEL CODE

SECTION XI, FORM NIS-1

NIS-1

OWNER'S REPORT FOR INSERVICE INSPECTIONS

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

1. Owner Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
(Name and Address of Owner)

2. Plant Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657-4702
(Name and Address of Plant)

3. Plant Unit 2

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

5. Commercial Service Date 4/1/1977

6. National Board Number for Unit 20912

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-67108	14001-NV	20912
Pressurizer	Combustion Engineering	CE-67603	14001-NV	20916
Steam Generator #21	Combustion Engineering	CE-67506	14001-NV	20924
Steam Generator #22	Combustion Engineering	CE-67507	14001-NV	20925
Reactor Coolant Piping/Supports	Combustion Engineering	N/A	N/A	N/A
#21A Reactor Coolant Pump	Byron Jackson	681-N-0441	14001-NV	N/A
#21B Reactor Coolant Pump	Byron Jackson	681-N-0442	14001-NV	N/A
#22A Reactor Coolant Pump	Byron Jackson	681-N-0443	14001-NV	N/A
#22B Reactor Coolant Pump	Byron Jackson	681-N-0444	14001-NV	N/A
Safety Injection Piping/Supports	Bechtel	N/A	N/A	N/A
Pressurizer Spray Piping/Supports	Bechtel	N/A	N/A	N/A
Shutdown Cooling Piping/Supports	Bechtel	N/A	N/A	N/A
Charging Piping/Supports	Bechtel	N/A	N/A	N/A
Pressurizer Safety & Relief Piping/Supports	Bechtel	N/A	N/A	N/A
Letdown Piping/Supports	Bechtel	N/A	N/A	N/A
Shutdown Cooling Heat Exchanger #21	Engineers & Fabricators	N/A	14135-NV	1146
Main Steam Piping/Supports	Bechtel	N/A	N/A	N/A
Feedwater Piping/Supports	Bechtel	N/A	N/A	N/A

8. Examination Dates 5/7/1999 to 5/18/2001

NIS-1

9. Inspection Period Identification: 2000 to 2003

10. Inspection Interval Identification: 2000 to 2009

11. Applicable Edition of Section XI 1983 Addenda Summer '83

12. Date/Revision of Inspection Plan: February, 2000 / Revision A (Scheduleworks)

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 thirteenth report of Inservice Inspections performed at Calvert Cliffs Unit 2, and the first report within the first period of the third interval of commercial operation. The examinations for this inspection period, as required by the Long-Term Examination Plan for Calvert Cliffs Unit 2, were performed in accordance with the 1983 Edition of ASME Code Section XI with Addenda through Summer, 1983. Nondestructive examination data and procedures are available at the site for review.

14. Abstract of Results of Examinations and Tests.

1. Eddy current examinations of Steam Generators revealed that 261 tubes were defective in #21, and 293 tubes were defective in #22.

2. A visual inspection of component 3-PS-2002-R-26D revealed a loose bolt at a pipe clamp on snubber 2-64-08.

15. Abstract of Corrective Measures.

1. In #21 Steam Generator: 51 tubes were plugged increasing the number of plugged tubes to 1008, and 210 sleeves were installed in lieu of plugging. In #22 Steam Generator: 138 tubes were plugged increasing the number of plugged tubes to 882, and 155 sleeves were installed in lieu of plugging.

2. The deficiency found on 3-PS-2002-R-26D was corrected, and four additional inspections were performed; no other problems were identified.

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) N/A Expiration Date

Date 7/31/2001 Signed Constellation Energy By Keith M. Hoffman

Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectores and the State or provinces of MARYLAND and employed by FACTORY MUTUAL INSURANCE COMPANY of JOHNSTON, RI have inspected the components described in this Owner's Report during the peroid 5/7/99 to 5/18/01, 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 and 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.

R. W. Lawrence Robert W Lawrence Commissions NB 8226 ANI, MD 647

Inspector's Signature National Board, State, Province, and Endorsements

Date July 31, 2001

ATTACHMENT 1

Inservice Inspection Report

3-1-13

1. Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657-4702
3. Plant Unit: 2
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 4/1/1977
6. National Board Number for Unit: 20912

EXAM CATEGORY / ITEM NUMBER: -- / --

Reactor Coolant Pressurizer

Summary/ID No.	Component ID	Component Description	Comments
103520	LVL Tap Base Metal	Pressurizer Level Tap Base Metal @ 7 1/2 Degrees	

Exam Results:

2001BU036 Accept

EXAM CATEGORY / ITEM NUMBER: B-A / B1.40

REACTOR PRESSURE VESSEL

Summary/ID No.	Component ID	Component Description	Comments
001280	6-209A	HEAD TO FLANGE	Full weld joint coverage could not be achieved due to welded lugs, insulation support ring, and flange configuration.

Exam Results:

2001BM019 Accept

2001BU011 Accept

EXAM CATEGORY / ITEM NUMBER: B-B / B2.11

PRESSURIZER

Summary/ID No.	Component ID	Component Description	Comments
103050	8-411	UPPER HEAD TO SHELL CIRCUMFERENTIAL WELD	

Exam Results:

2001BU015 Accept

EXAM CATEGORY / ITEM NUMBER: B-B / B2.12

PRESSURIZER

Summary/ID No.	Component ID	Component Description	Comments
103010	2-401A	UPPER SHELL AT 270 DEG. LONG SEAM	

Exam Results:

2001BU018 Accept

EXAM CATEGORY / ITEM NUMBER: B-D / B3.110

PRESSURIZER

Summary/ID No.	Component ID	Component Description	Comments
103090	4-405	SPRAY NOZZLE TO UPPER HEAD	* Nozzle to shell weld configuration prevented examination from both sides of welds.

Exam Results:

2001BU020 Accept

103080	4-404	SURGE LINE NOZZLE	Nozzle to shell weld configuration prevents examination from both sides of weld and base metal. This item may be considered for relief.

Exam Results:

2001BU012 Accept

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EXAM CATEGORY / ITEM NUMBER: B-D / B3.120

PRESSURIZER

Summary/ID No.	Component ID	Component Description	Comments
103130	4-405-IRS	SPRAY NOZZLE INSIDE RADIUS SECTION	
Exam Results:			
	2001BU026 Accept		
	2001BU029 Accept		
103120	4-404-IRS	SURGE LINE NOZZLE INSIDE RADIUS SECTION	
Exam Results:			
	2001BU028 Accept		
	2001BU025 Accept		

EXAM CATEGORY / ITEM NUMBER: B-E / B4.20

PRESSURIZER

Summary/ID No.	Component ID	Component Description	Comments
103160	120 HEATER PENETRATIO	HEATER PENETRATIONS	
Exam Results:			
	2001BV340 Accept		
	2001BV341 Accept		

EXAM CATEGORY / ITEM NUMBER: B-F / B5.40

PRESSURIZER SPRAY SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
136090	4-PS-2003-8	SAFE END TO NOZZLE	* No scan from nozzle side due to high noise levels. This condition previously reported on 4/24/88 by SwRI.
Exam Results:			
	2001BP154 Accept		
	2001BU019 Accept		

PRESSURIZER SURGE LINE

Summary/ID No.	Component ID	Component Description	Comments
113010	12-PSL-1	NOZZLE TO SAFE END	
Exam Results:			
	2001BU014 Accept		
	2001BP144 Accept		

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EXAM CATEGORY / ITEM NUMBER: B-G-2 / B7.20

PRESSURIZER

Summary/ID No.	Component ID	Component Description	Comments
103210	MANWAY STUDS 1-20	STUDS AND NUTS	
Exam Results:			
	2001BV177 Accept		
103220	MANWAY NUTS 1-20	STUDS AND NUTS	
Exam Results:			
	2001BV220 Accept		

EXAM CATEGORY / ITEM NUMBER: B-G-2 / B7.50

REACTOR COOLANT

Summary/ID No.	Component ID	Component Description	Comments
164945	2.5-SR-2007-2FB	INLET FLANGE BOLTING @ 2-RV-200	
Exam Results:			
	2001BV356 Accept		
164955	2.5-SR-2008-2FB	INLET FLANGE BOLTING @ 2-RV-201	
Exam Results:			
	2001BV295 Accept		

REACTOR COOLANT SAFETY AND RELIEF VALVE PIPING

Summary/ID No.	Component ID	Component Description	Comments
164960	5FB	INLET FLANGE BOLTING @ 2-ERV-404	
Exam Results:			
	2001BV296 Accept		

SAFETY RELIEF

Summary/ID No.	Component ID	Component Description	Comments
164950	5FB	INLET FLANGE BOLTING @ 2-ERV-402	
Exam Results:			
	2001BV294 Accept		

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6. National Board Number for Unit: 20912

EXAM CATEGORY / ITEM NUMBER: B-G-2 / B7.60

RCP-21A

Summary/ID No.	Component ID	Component Description	Comments
162250	21A-C-1-16	RCP-21A SEAL BOLTING	

Exam Results:

2001BV167 Accept

REACTOR COOLANT PUMPS

Summary/ID No.	Component ID	Component Description	Comments
162450	21B-C-1-16	SEAL BOLTING	

Exam Results:

2001BV169 Accept

162650	22A-C-1-16	SEAL BOLTING	

Exam Results:

2001BV223 Accept

162850	22B-C-1-16	SEAL BOLTING	

Exam Results:

2001BV173 Accept

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3. Plant Unit:	2
4. Owner Certificate of Authorization(If Req.)	N/A
5. Commercial Service Date:	4/1/1977
6. National Board Number for Unit:	20912

EXAM CATEGORY / ITEM NUMBER: B-G-2 / B7.70

CHEMICAL AND VOLUME CONTROL AUX SPRAY

Summary/ID No.	Component ID	Component Description	Comments
164760	2-CV-517	VALVE BODY BOLTING	
Exam Results:			
	2001BV247 Accept		
164810	2-CVC-389 ON 2-CV-2018	VALVE BOLTING	
Exam Results:			
	2001BV288 Accept		

CHEMICAL AND VOLUME CONTROL CHARGING

Summary/ID No.	Component ID	Component Description	Comments
164790	2-CV-518	VALVE BODY BOLTING	
Exam Results:			
	2001BV094 Accept		
164800	2-CV-519 ON 2-CV-2005	VALVE BOLTING	
Exam Results:			
	2001BV099 Accept		
164820	2-CVC-186 ON 2-CV-2021	VALVE BOLTING	
Exam Results:			
	2001BV092 Accept		
164830	2-CVC-390 ON 2-CV-2021	VALVE BOLTING	
Exam Results:			
	2001BV093 Accept		
164840	2-CVC-187 ON 2-CV-2005	VALVE BOLTING	
Exam Results:			
	2001BV097 Accept		
164850	2-CVC-391-ON 2-CV-2005	VALVE BOLTING	
Exam Results:			
	2001BV098 Accept		
164860	2-CVC-188 ON 2-CV-2006	VALVE BOLTING	
Exam Results:			
	2001BV101 Accept		
164870	2-CVC-435 ON 2-CV-2006	VALVE BOLTING	
Exam Results:			
	2001BV100 Accept		

CHEMICAL AND VOLUME CONTROL LETDOWN

Summary/ID No.	Component ID	Component Description	Comments
164770	2-CV-515	VALVE BODY BOLTING	
Exam Results:			
	2001BV171 Accept		
164780	2-CV-516 ON 2-LD-2004	VALVE BOLTING	
Exam Results:			
	2001BV172 Accept		

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5. Commercial Service Date: 4/1/1977
6. National Board Number for Unit: 20912

164880	2-CVC-397 ON 2-LD-2004	VALVE BOLTING

Exam Results:

2001BV170 Accept

PRESSURIZER SPRAY

Summary/ID No.	Component ID	Component Description	Comments
164740	2-CV-100E	VALVE BODY BOLTING	

Exam Results:

2001BV314 Accept

164750	2-CV-100F	VALVE BODY BOLTING

Exam Results:

2001BV254 Accept

REACTOR COOLANT

Summary/ID No.	Component ID	Component Description	Comments
164890	2-MOV-403 ON 2.5-SR-2003	VALVE BOLTING	

Exam Results:

2001BV248 Accept

164900	2-MOV-405 ON 2.5-SR-2004	VALVE BOLTING

Exam Results:

2001BV251 Accept

REACTOR COOLANT SAFETY AND RELIEF VALVE PIPING

Summary/ID No.	Component ID	Component Description	Comments
164910	2-RV-200	VALVE BODY BOLTING	

Exam Results:

2001BV256 Accept

164920	2-RV-201	VALVE BODY BOLTING

Exam Results:

2001BV257 Accept

164930	2-ERV-402	VALVE BODY BOLTING

Exam Results:

2001BV252 Accept

164940	2-ERV-404	VALVE BODY BOLTING

Exam Results:

2001BV255 Accept

SAFETY INJECTION

Summary/ID No.	Component ID	Component Description	Comments
164590	SI-247 ON 12-SI-2012	VALVE BODY BOLTING	

Exam Results:

2001BV164 Accept

164600	2-SI-237 ON 12-SI-2011	VALVE BODY BOLTING

Exam Results:

2001BV163 Accept

164330	2-MOV-614 ON 12-SI-2009	VALVE BOLTING

Exam Results:

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	2001BV083	Accept	
164340	2-MOV-624 ON 12-SI-2010	VALVE BOLTING	
Exam Results:			
	2001BV178	Accept	
164350	2-MOV-634 ON 12-SI-2011	VALVE BOLTING	
Exam Results:			
	2001BV095	Accept	
164360	2-MOV-644 ON 12-SI-2012	VALVE BOLTING	
Exam Results:			
	2001BV075	Accept	
164570	SI-217 ON 12-SI-2009	VALVE BOLTING	
Exam Results:			
	2001BV166	Accept	
164580	2-SI-227 ON 12-SI-2010	VALVE BOLTING	
Exam Results:			
	2001BV103	Accept	
164690	2-MOV-652 ON 12-SC-2004	VALVE BOLTING	
Exam Results:			
	2001BV224	Accept	
164700	2-SI-118 ON 6-SI-2001	VALVE BOLTING	
Exam Results:			
	2001BV084	Accept	
164710	2-SI-128 ON 6-SI-2002	VALVE BOLTING	
Exam Results:			
	2001BV179	Accept	
164720	2-SI-138 ON 6-SI-2003	VALVE BOLTING	
Exam Results:			
	2001BV096	Accept	
164730	2-SI-148 ON 6-SI-2004C	VALVE BOLTING	
Exam Results:			
	2001BV076	Accept	

SHUTDOWN COOLING

Summary/ID No.	Component ID	Component Description	Comments
164680	2-MOV-651 ON 12-SC-2004	VALVE BOLTING	
Exam Results:			
	2001BV034	Accept	

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EXAM CATEGORY / ITEM NUMBER: B-K-1 / B10.10

PRESSURIZER SPRAY SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
138370	3-PS-2002-R-20	INTEGRALLY WELDED ATTACHMENT	

Exam Results:

2001BP167 Accept

SHUTDOWN COOLING SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
114150	14-SC-2004-R-29	INTEGRALLY WELDED ATTACHMENT	

Exam Results:

2001BP151 Accept

EXAM CATEGORY / ITEM NUMBER: B-K-1 / B10.20

REACTOR COOLANT PUMPS

Summary/ID No.	Component ID	Component Description	Comments
162260	21A-1	SUPPORT LUG	

Exam Results:

2001BP068 Accept

EXAM CATEGORY / ITEM NUMBER: B-P / B15.10

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165000	RV-SLT-1	SYSTEM LEAKAGE TEST	

Exam Results:

2001BV343 Accept

EXAM CATEGORY / ITEM NUMBER: B-P / B15.20

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165020	PRZR-SLT-1	SYSTEM LEAKAGE TEST	

Exam Results:

2001BV344 Accept

EXAM CATEGORY / ITEM NUMBER: B-P / B15.30

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165040	SG-SLT-1	SYSTEM LEAKAGE TEST	

Exam Results:

2001BV345 Accept

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6. National Board Number for Unit: 20912

EXAM CATEGORY / ITEM NUMBER: B-P / B15.40

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165060	HX-SLT-1	SYSTEM LEAKAGE TEST	

Exam Results:

2001BV346 Accept

EXAM CATEGORY / ITEM NUMBER: B-P / B15.50

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165080	PP-SLT-1	SYSTEM LEAKAGE TEST	One tubing fitting downstream of 2-RC-1031 was found with an active leak. IR3-070-350 was written. Leak corrected under MO 2200101801.

Exam Results:

2001BV347 Reject

EXAM CATEGORY / ITEM NUMBER: B-P / B15.60

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165100	PMP-SLT-1	SYSTEM LEAKAGE TEST	

Exam Results:

2001BV348 Accept

EXAM CATEGORY / ITEM NUMBER: B-P / B15.70

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
165120	VLV-SLT-1	SYSTEM LEAKAGE TEST	Two valves, 2-CVC-334 and 2-RC-1022, had boric acid build-up; no active leakage. IR3-070-351 was written. Problem corrected under MO 2200101802.

Exam Results:

2001BV349 Accept

EXAM CATEGORY / ITEM NUMBER: C-B / C2.21

SHUTDOWN COOLING

Summary/ID No.	Component ID	Component Description	Comments
201400	SCHE-21-N1	SHUTDOWN COOLING HEAT EXCHANGER INLET NOZZLE	* Nozzle configuration prevents scanning on nozzle side. No axial and circumferential scan on nozzle side of weld.

Exam Results:

2001BU006 Accept

2001BP030 Accept

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EXAM CATEGORY / ITEM NUMBER: C-C / C3.20

MAIN STEAM SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
282200	34-MS-2001-A-35	INTEGRALLY WELDED ATTACHMENT	
Exam Results:			
	2001BM053 Accept		

SAFETY INJECTION

Summary/ID No.	Component ID	Component Description	Comments
219650	8"-SI-2020-R-4	INTEGRALLY WELDED ATTACHMENT	
Exam Results:			
	2001BP022 Accept		

SAFETY INJECTION SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
211700	12-SI-2004A-R-11X	INTEGRALLY WELDED ATTACHMENT	Limited exam due to clamps. * Coverage per '83/'83 Section XI; the coverage per 1998 Section XI is 100%.
Exam Results:			
	2001BP035 Accept		
226800	6-SI-2006-H-16	INTEGRALLY WELDED ATTACHMENT	LIMITED EXAM DUE TO CLAMP. * Coverage per '83/'83 Section XI; The coverage per 1998 Section XI is 100%.
Exam Results:			
	2001BP036 Accept		
236150	6-SI-2204-ANCHOR	INTEGRALLY WELDED ATTACHMENT	
Exam Results:			
	2001BP141 Accept		
239050	4-SI-2005-H-10, R-8	INTEGRALLY WELDED ATTACHMENT	Limited Exam due to clamps. * Coverage per '83/'83 Section XI; the coverage per 1998 Section XI is 100%.
Exam Results:			
	2001BP037 Accept		
239300	4-SI-2005-H-11, R-9	INTEGRALLY WELDED ATTACHMENT	
Exam Results:			
	2001BP038 Accept		

EXAM CATEGORY / ITEM NUMBER: C-H / C7.10

PRESSURE RETAINING BOUNDARY

Summary/ID No.	Component ID	Component Description	Comments
293950	PV-SLT-1	SYSTEM LEAKAGE TEST	
Exam Results:			
	2001BV350 Accept		

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6. National Board Number for Unit: 20912

EXAM CATEGORY / ITEM NUMBER: F-A / F1.20B

SAFETY INJECTION

Summary/ID No.	Component ID	Component Description	Comments
701400	18"-SI-2003-H-1	COMPONENT SUPPORT	
Exam Results:			
	2001BV023 Accept		
702350	18"-SI-2004-H-1	COMPONENT SUPPORT	
Exam Results:			
	2001BV024 Accept		

EXAM CATEGORY / ITEM NUMBER: F-A / F1.20C

SAFETY INJECTION

Summary/ID No.	Component ID	Component Description	Comments
701000	24"-SI-2001-H-10	COMPONENT SUPPORT	
Exam Results:			
	2001BV025 Accept		

EXAM CATEGORY / ITEM NUMBER: F-B / F2.00

SAFETY INJECTION SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
601490	6-SI-2001-H-40	COMPONENT SUPPORT	
Exam Results:			
	2001BV085 Accept		
711850	4-SI-2005-H-10, R-8	COMPONENT SUPPORT	
Exam Results:			
	2001BV037 Accept		
711900	4-SI-2005-H-11, R-9	COMPONENT SUPPORT	
Exam Results:			
	2001BV038 Accept		

SHUTDOWN COOLING SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
601070	14-SC-2004-R-29	COMPONENT SUPPORT	
Exam Results:			
	2001BV152 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-13

1. Owner:	Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
2. Plant:	Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657-4702
3. Plant Unit:	2
4. Owner Certificate of Authorization(If Req.)	N/A
5. Commercial Service Date:	4/1/1977
6. National Board Number for Unit:	20912

EXAM CATEGORY / ITEM NUMBER: F-C / F3.00

CHARGING LINES

Summary/ID No.	Component ID	Component Description	Comments
602380	2-CV-2021-S-15	COMPONENT SUPPORT	
Exam Results:			
	2001BV086 Accept		
602450	2-CV-2021-S-8	COMPONENT SUPPORT	
Exam Results:			
	2001BV072 Accept		
602480	2-CV-2021-S-5	COMPONENT SUPPORT	
Exam Results:			
	2001BV070 Accept		
602502	2-CV-2021-S-2	COMPONENT SUPPORT	
Exam Results:			
	2001BV069 Accept		
602504	2-CV-2021-S-1	COMPONENT SUPPORT	
Exam Results:			
	2001BV068 Accept		

CHEMICAL AND VOLUME CONTROL CHARGING LINES

Summary/ID No.	Component ID	Component Description	Comments
602360	2-CV-2021-S-17	COMPONENT SUPPORT	
Exam Results:			
	2001BV087 Accept		

CONTAINMENT SPRAY SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
717850	10-CS-2002-H-4	COMPONENT SUPPORT	
Exam Results:			
	2001BV040 Accept		
718050	10-CS-2018-H-5, R-5	COMPONENT SUPPORT	
Exam Results:			
	2001BV042 Accept		
718900	8-CS-2005-R-3	COMPONENT SUPPORT	
Exam Results:			
	2001BV041 Accept		

MAIN STEAM SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
725050	34-MS-2001-A-35	COMPONENT SUPPORT	
Exam Results:			
	2001BV073 Accept		
726400	6-MS-2007-R-13-11	COMPONENT SUPPORT	
Exam Results:			
	2001BV067 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-13

1. Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657-4702
3. Plant Unit: 2
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 4/1/1977
6. National Board Number for Unit: 20912

726450	6-MS-2008-R-13-1	COMPONENT SUPPORT	
Exam Results:			
	2001BV071 Accept		

PRESSURIZER SPRAY SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
601570	4-PS-2003-R-63	COMPONENT SUPPORT	This is an additional examination due to the failure of snubber 2-64-08 (LTP# 601900).
Exam Results:			
	2001BV286 Accept		
601640	3-PS-2001-R-46	COMPONENT SUPPORT	This is an additional examination due to the failure of snubber 2-64-08 (LTP# 601900).
Exam Results:			
	2001BV290 Accept		
601690	3-PS-2001-R-40	COMPONENT SUPPORT	This is an additional examination due to the failure of snubber 2-64-08 (LTP# 601900).
Exam Results:			
	2001BV289 Accept		
601720	3-PS-2001-R-32	COMPONENT SUPPORT	This is an additional examination due to the failure of snubber 2-64-08 (LTP# 601900).
Exam Results:			
	2001BV287 Accept		
601870	3-PS-2002-R-20	COMPONENT SUPPORT	
Exam Results:			
	2001BV060 Accept		
601880	3-PS-2002-R-22	COMPONENT SUPPORT	
Exam Results:			
	2001BV061 Accept		
601900	3-PS-2002-R-26D	COMPONENT SUPPORT	IR3-058-769 was generated for a loose bolt at pipe clamp on Snubber 2-64-08. Level III Note-Dispositioned as acceptable due to documentation of corrective action. Additional exams performed on LTPs 601570, 601640, 601690, 601720.
Exam Results:			
	2001BV225 Accept		

SAFETY INJECTION SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
601520	6-SI-2002-H-23B	COMPONENT SUPPORT	
Exam Results:			
	2001BV315 Accept		
703900	12-SI-2004A-R-11X	COMPONENT SUPPORT	
Exam Results:			
	2001BV033 Accept		
704200	12"-SI-2004A-H-7	COMPONENT SUPPORT	
Exam Results:			
	2001BV013 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-13

1. Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657-4702
3. Plant Unit: 2
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 4/1/1977
6. National Board Number for Unit: 20912

706350 8-SI-2020-R-4 COMPONENT SUPPORT
Exam Results:
2001BV044 Accept

708450 6-SI-2006-H-16 COMPONENT SUPPORT
Exam Results:
2001BV036 Accept

711350 6-SI-2204-ANCHOR COMPONENT SUPPORT
Exam Results:
2001BV081 Accept

714000 4-SI-2010-A-2 COMPONENT SUPPORT
Exam Results:
2001BV045 Accept

714050 4-SI-2010-R-3 COMPONENT SUPPORT
Exam Results:
2001BV102 Accept

716000 2-SI-2005-H-20 COMPONENT SUPPORT
Exam Results:
2001BV050 Accept

716850 2-SI-2041-S-11 COMPONENT SUPPORT
Exam Results:
2001BV039 Accept

SHUTDOWN COOLING SYSTEM

Summary/ID No.	Component ID	Component Description	Comments
601060	14-SC-2004 -H-25	COMPONENT SUPPORT	
Exam Results:	2001BV151 Accept		
601100	14-SC-2004-R-39Z	COMPONENT SUPPORT	
Exam Results:	2001BV090 Accept		
601110	14-SC-2004-R-39X	COMPONENT SUPPORT	
Exam Results:	2001BV091 Accept		
601150	14-SC-2004-R-50A	COMPONENT SUPPORT	
Exam Results:	2001BV180 Accept		
601180	14-SC-2004-R-56	COMPONENT SUPPORT	
Exam Results:	2001BV165 Accept		

EXAM CATEGORY / ITEM NUMBER: F-C-1 / C3-20

SAFETY INJECTION

Summary/ID No.	Component ID	Component Description	Comments
203850	24"-HC-3-2001-H10	INTEGRALLY WELDED ATTACHMENT	
Exam Results:	2001BP021 Accept		

ENCLOSURE (2)

CALVERT CLIFFS NUCLEAR POWER PLANT

INSERVICE INSPECTION SUMMARY REPORT

FOR CALVERT CLIFFS UNIT 2

ASME BOILER AND PRESSURE VESSEL CODE

SECTION XI, FORM NIS-2

2001-2 Class 1 and 2 with NIS-2's Completed

MWO No.	R&R Number	UEI	Planner Date	Section XI Class	NIS-2 Written	Review Date
2199602173	96-2-041	2ERV404	3/19/1999	One	TRUE	6/18/2001
2199800583	98-2-173	Snubber 2-52-10A	1/12/1999	Two	TRUE	8/31/1999
2199800586	98-2-175	Snubber 2-52-14	1/12/1999	Two	TRUE	7/28/1999
2199901907	99-2-062	2CV3938	11/17/1999	Two	TRUE	6/6/2001
2200000488	2000-2-003	2RV200	2/18/2000	One	TRUE	4/14/2000
2200000488	2000-2-003a	2#CC10-2003,H35B	2/18/2000	One	TRUE	4/14/2000
2200000488	2000-2-003b	2#CC10-2005	2/21/2000	One	TRUE	4/14/2000
2199901119	2000-2-009	2MOV4517	5/2/2000	Two	TRUE	6/27/2001
2200000735	2000-2-010	2CKVSI-134	5/4/2000	Two	TRUE	6/19/2001
2199803952	2000-2-011	2MOV269	5/23/2000	Two	TRUE	5/29/2001
2199904530	2000-2-018	2RV201	6/2/2000	One	TRUE	6/27/2001
2199902429	2000-2-025	2PZVRC21	1/22/2001	One	TRUE	6/21/2001
2199904525	2000-2-036	2PUMPRC21A(s)	8/24/2000	One	TRUE	7/10/2001
2200000781	2000-2-037	2CKVSI-114	8/21/2000	Two	TRUE	6/19/2001
2199904528	2000-2-049	2RV200	2/6/2001	One	TRUE	6/27/2001
2200001654	2000-2-054	2RV468	11/30/2000	Two	TRUE	7/23/2001
2199800769	2000-2-055	2PZVRX21	3/19/2001	One	TRUE	7/17/2001
2200002357	2000-2-057	2ERV404	3/22/2001	One	TRUE	6/27/2001
2200000782	2000-2-058	2CKVSI-124	1/23/2001	Two	TRUE	5/14/2001
2199900513	2000-2-060a	2CKVSI-330	2/12/2001	Two	TRUE	6/13/2001
2199900513	2000-2-060b	2#HC33-2005	2/12/2001	Two	TRUE	6/13/2001
2199900513	2000-2-060c	2#HC33-2005-H21	2/12/2001	Two	TRUE	6/13/2001
2199905483	2000-2-061a	2CKVSI-340	2/12/2001	Two	TRUE	6/27/2001
2199905483	2000-2-061b	2#HC33-2001	2/12/2001	Two	TRUE	6/27/2001
2200001884	2000-2-062a	2HVMS-156	12/14/2000	Two	TRUE	7/23/2001
2200001884	2000-2-062c	2#EB12-2029	12/14/2000	Two	TRUE	6/27/2001
2199902343	2000-2-063	2CV3939	3/8/2001	Two	TRUE	6/6/2001
2200002297	2000-2-064	2#CC4-2009,H18A	2/6/2001	One	TRUE	6/21/2001
2199904914	2001-2-009	2#HC23-2002-R9	3/29/2001	Two	TRUE	5/22/2001
2199905011	2001-2-010	2HXRC21(s)	4/2/2001	Two	TRUE	5/18/2001
2199702586	2001-2-011	2#HC-3	3/30/2001	Two	TRUE	5/21/2001
2200101784	2001-2-016	2CKVSI-217	5/8/2001	One	TRUE	6/18/2001
2200000166	SNUB-0-001	SNUBBER POOL	2/12/2001	One & Two	TRUE	5/22/2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/18/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 96-2-041, MWO No. 2199602173** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
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, Winter 1968 Add; Class A, CCases 1581, N-2, N-10**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Edition Summer 83 Addenda**

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

Name of Componet	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 Industries	SN: BM07951	N/A	Unit Two Pressurizer Power Operated Safety Valve	1977	Repaired/Replaced	No
Valve Body	Dresser Industries Inc.	18412-GX SN: ACX48	N/A	Valve Body, Main Base & Pilot Assy. ASME SA 182 Gr.316 & SA479 Tp 316, Drwg.#12965-0022, item# 1	1996	Replacement	No
Relief Valve	Dresser Industries Inc.	18931 SN: BS07325	N/A	Valve, Pressurizer Relief, ERV, 1&2-ERV-402, 404; 2500 lb.	1998	Replacement	No

7. Description of Work:
This plan was for the replacement of the pressurizer relief valve 2-ERV 404.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐
Pressure: 2300 psi. Test Temperature: 532 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. The VT-1 that was required was missed, IR3-024-564 was written to document this problem. This valve was replaced under MWO# 2200002357 and the required VT-1 was performed.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/18/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-19-99 to 5-7-01, 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.

Robert L Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 9, 2001

FORM NIS-2, OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By the Provisions of the ASME Code Section XI

1. Owner: Baltimore Gas Electric Company (name) Date: August 31, 1999

G&E Building, P.O. Box 1475, Baltimore, MD, 21203 (address) Unit: 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) R&R No: 98-2-173

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 (address) MWO No: 2199800583 (PO, job no.)

3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD (name) Type Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 (address) Section XI Class: II

4. Identification of System: System Number: 52 System Name: SI

5. (a) Applicable Construction Code and Class: B31.7 '69 Ed. thru '71 Add.

(b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL)

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)
2-52-10A	Grinnell Corp.	Cylinder # 73355668-224	N/A	Vl. Blk # 7606B-1-SP	N/A	Replaced	No
2-52-10A	Grinnell Corp.	Cylinder # 73355668-434	N/A	Vl. Blk # 9974B-1-SP	N/A	Replacement	No

7. Description of Work:

PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER:

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: ☐

Pressure: N/A psi. Test Temperature: N/A Deg.

NOTE: 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 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:
This plan implements Generic Replacement Plan G2, Rev. 1.

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 **Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No: N/A Expiration Date: N/A

Signed: [signature] Dan Hoang, Senior Engineer Date: 8/31/99
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Norwood, MA have inspected the

components described in this Owner's Report during the period 1-12-99 to 8-30-99, 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 personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence
Inspector's Signature

Commissions: NB8226ANI, MD647
National Board, State, and Endorsements

Date: 1-20-00 ~~199~~

FORM NIS-2, OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By the Provisions of the ASME Code Section XI

1. Owner: Baltimore Gas Electric Company (name) — Date: July 28, 1999

G&E Building, P.O. Box 1475, Baltimore, MD, 21203 (address) — Unit: 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) — R&R No: 98-2-175

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 (address) — MWO No: 2199800586 (PO, job no.)

3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD (name) — Type Code Symbol Stamp: N/A; Authorization No: N/A Exp Date: N/A

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 (address) — Section XI Class: Two

4. Identification of System: System Number: 052 System Name: SAFETY INJECTION

5. (a) Applicable Construction Code and Class: USAS B31.7 1969 Ed. thru '71 Add.

(b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL)

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)
Hydraulic Snubber	Grinnell Corp.	cyl: 72237426-16 VB: 6075-2-A	N/A	2-52-14	N/A	Replaced	No
Hydraulic Snubber	Grinnell Corp.	cyl: 75503196-49 VB: 80511048-24	N/A	2-52-14	1998	Replacement	No

7. Description of Work:

PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER: 2-52-14.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: ☐

Pressure: N/A psi. Test Temperature: N/A Deg.

NOTE: 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 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:
This plan implements Generic Replacement Plan G2, Rev. 1.

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 **Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No: N/A Expiration Date: N/A

Signed: Dan Hoang Senior Engineer Date: July 28, 1999
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-99 to 7-27-99, 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 personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: Sept. 22, 1999

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/6/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 99-2-062, MWO No. 2199901907** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: **Two**

4. Identification of System: System Number **083** System Name: **Main Steam & SG Blowdown**

5.(a) Applicable Construction Code and Class: **Bechtel Spec 6750-M-292 Atmospheric Dump & Turbine Bypass Control Valves**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Copes Vulcan Inc.	7010-95031-1-2	N/A	#22 Main Steam Header Atmospheric Dump Valve	1977	Repaired/Replaced	No
Plug Assembly	Copes-Vulcan Inc.	42374 SN: 99-02	N/A	Trim, Plug Ass., Valve, 5 inch, 600lb., press. retaining parts; Plug, #145380, Inner Plug #145381	1999	Replacement	No

7. Description of Work:

This Plan was for the valve trim assembly replacement on 2-CV-3938, which is the #22 Main Steam Header Atmospheric Dump 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Chas H. Ballard. Charles H. Ballard, Engineering Technician Date: 6/6/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 11-17-99 to 5-15-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD 647
Inspector's Signature — National Board, State, and Endorsements

Date: June 14, 2001

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Baltimore Gas Electric Company** (name) Date: **04/14/2000**

G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Pkwy; Lusby, Maryland 20657-4702 (address) **R&R No. 2000-2-003, MWO No. 2200000488** (P.O. no., job no., etc.)

3. Work Performed by: **Baltimore Gas Electric, NED** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Winter 1968 Add; Class A, CCases N-2, N-10**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	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.	BV-02950	N/A	Unit Two Pressurizer Safety Relief Valve	1970	Replaced	Yes
Valve, Relief	Dresser Industries Inc.	38061 S/N: BN04375	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A	1999	Replacement	Yes
Disc	Dresser Industries Inc.	86494-GX S/N: AAD50	N/A	Disc, Valve, 2-1/2 in. Model #31739A,, Dresser P/N 1840404; ASME SB637 Gr. 688	1987	Replacement	Yes

7. Description of Work:
This plan was for the replacement of Unit-2 Pressurizer Safety Valve, 2-RV-200.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐
Pressure: 2250 psi. Test Temperature: 532 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-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements. 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 **Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Chas W. Ballard C.H. Ballard Engineering Technician Date: 04/14/2000
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-17-00 to 2-24-00, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: May 11, 2000

FORM NVR-1 REPORT OF REPAIR [X] MODIFICATION [ ] OR REPLACEMENT [X] OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc. (name of organization) — 38061 01-26857-0 & -1 (P.O. no., job no., etc)
Intersection Hwy. 167 @ 3225 North, Alexandria, Louisiana 71309 (address)

2. Work performed for Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name and address)

3. Owner Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name)

4. Name, address and identification of nuclear power plant (address) Baltimore Gas & Electric Co. Calvert Cliffs Nuclear Station
1650 Calvert Cliffs Parkway Lusby, Maryland 20657

5. a: Repaired pressure relief device: Safety Valve
b: Name of manufacturer Same as item 1 above
c: Identifying nos.

31739A	BN-04375	N/A	STEAM	2-1/2"	1977
(type)	(mfr's serial no.)	(Nat'l. Bd. No.)	(service)	(size)	(year built)

d: Construction Code

ASME Section III	1971	Summer 1972	N/A	A Vessels, Article 9
(name/section/division)	(edition)	(addenda)	(Code case(s))	(Code Class)

6. ASME Code Section XI applicable for in service inspection: 1983 (edition) Summer 1983 (addenda) N/A (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1983 (edition) Summer 1983 (addenda) N/A (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1971 (edition) Summer 1972 (addenda) N/A (Code Case(s))

9. Design responsibility Same as item 1 above

10. Opening pressure: 2485 PSIG Blowdown (if applicable) N/A %. Set pressure and blowdown adjustment made at: Wyle Laboratories, Huntsville, Alabama (location) Using Steam (test medium)

11. Description of work: (include name and identifying number of replacement parts) Valve Was Disassembled, Inspected, Repaired, Assembled, & Tested. Replaced Disc Holder P/N 1841801N, Disc P/N 1840404OS417 S/N AAD50, Gaskets P/N 3831018N, C-Seal P/N 5151005, Cotter Pins P/N 2220219, & Gaskets P/N 3640501

12. Remarks:

CERTIFICATE OF INSPECTION

I, Terry W. Barnes, certify that to the best of my knowledge and belief the statements made in this report are Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. VR-70,95,97-118 & 120-124 to use the "VR" stamp expires 6-29-2001

National Board Certificate of Authorization No. NR-45 to use the "NR" stamp expires 6-30-2002

Date 12-6-99 Same as Item 1 above. (name of certificate holder) Signed Terry W. Barnes (authorized representative) Quality Engineer (title)

CERTIFICATE OF INSPECTION

I, B.C. Dosher, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Louisiana and employed by Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 12/6/99 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

Date 12/6/99 Signed B.C. Dosher Commissions NB 7779 "R" "VR" "NR" LA 0664
(National Board (incl. endorsements), and jurisdiction, and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Baltimore Gas Electric Company** (name) Date: **04/14/2000**

G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Pkwy; Lusby, Maryland 20657-4702 (address) **R&R No. 2000-2-003a, MWO No. 220000048** (P.O. no., job no., etc.)

3. Work Performed by: **Baltimore Gas Electric, NED** (name)

CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
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 1969 Edition, Summer 1971 Add; Class One, CCases 70, 84, 94, 96, 1448, 1477, 1487, 1495**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	N/A	N/A	Pressurizer Safety and Relief Valve Piping	1977	Replaced	No

7. Description of Work:

This plan was for the installation and removal of Temp. Alt.# 2-00-0009, which allows the tightening of the travel stop on the spring can of hanger 2 1/2"CC-10-2003,H35B on drawing #13600-4442. This work was in support of the removal and replacement of 2-RV-200, #21 Pressurizer 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:

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 **Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Chas H. Ballard C.H. Ballard Engineering Technician Date: 04/14/2000
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-18-00 to 2-21-00, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD 647
Inspector's Signature National Board, State, and Endorsements

Date: May 11, 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Baltimore Gas Electric Company** (name) Date: **04/14/2000**

G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Pkwy; Lusby, Maryland 20657-4702 (address) **R&R No. 2000-2-003b, MWO No. 220000048** (P.O. no., job no., etc.)

3. Work Performed by: **Baltimore Gas Electric, NED** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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 1969 Edition, Summer 1971 Add; Class One, CCases 70, 84, 94, 96, 1448, 1477, 1487, 1495**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	4"CC-10-2005	N/A	Pressurizer Safety and Relief Valve Piping	1977	Replaced	No
Nut	Nova Machine Products	23286 Ht. Code JRU	N/A	Nut, Heavy Hex, 1-1/8 in. X 7 TPI, SA-194 Gr. 7	1998	Replacement	No
Rod	Cardinal Ind. Products	57533-GX Ht. Code B4 & F5	N/A	Rod, Allthread, 1-1/8 in. X 7 TPI, SA-193 Gr. B7	1992	Replacement	No

7. Description of Work:

This Plan was for the replacement of pressure retaining fasteners on 2-RV-200 on the Inlet flange to the piping system 4"CC-10-2005.

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-1 Visual Examination of the replacement threaded fasteners 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 **Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Chris H. Ballard — C.H. Ballard, Engineering Technician — Date: 04/14/2000
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-21-00 to 2-21-00, 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.

Robert W Lawrence — Commissions: NB8226 ANI, MD647
Inspector's Signature — National Board, State, and Endorsements

Date: May 11, 2000

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/27/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-009, MWO No. 2199901119 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class Two, CCase 1427

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Edition Summer 83 Addenda

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Engineering	SN: 0030	N/A	No. 22 Steam Generator Feed Water Isolation Valve	1977	Repaired	Yes

7. Description of Work:

This plan was to allow the machining of the sealing surface on the pressure seal cover for 2-MOV-4517, No. 22 Steam Generator Feed Water Isolation Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☑ Leakage: ☐ Functional: ☐

Pressure: 1000 psi. Test Temperature: 402 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 Inservice 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 **Repair** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 4-7-01 to 5-24-01, 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.

Robert W. Lawrence Commissions: NB 8226 ANI, MD 647
Inspector's Signature National Board, State, and Endorsements

Date: June 29, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/19/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-010, MWO No. 2200000735 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME B16.5 1968 Edition, Steel Pipe Flanges and Flanged Fittings NPS 1/2" thru 24" & CCase N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.		N/A	#22B Low Pressure Safety Injection Header Check Valve	1975	Repaired/Replaced	No
Nut	Nova Machine Products Corp.	38612 Heat Code: FSD	N/A	Nut, Heavy Hex, 1 1/4 in. X 8 TPI, SA-194 Gr. 7	1999	Replacement	No
Rod	Allied Group	27260 Trace Code: P35	N/A	Rod, Allthread, 1 1/4 in. X 8 TPI, SA-193 Gr. B7	1998	Replacement	No
Disc	Velan Engineering Co.	30070-GX SN: 3181	N/A	Disc, Velan, Item No. 3 Dwg. 12124-0002, SA-182 F-316 S.S. for Velan 6"/1500lb. Check Valve	1982	Replacement	No

7. Description of Work:

This plan was for the maintenance work on 2-CKVSI-134, #22B Low Pressure Safety Injection Header Check Valve, replace valve disc and bolting as needed.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/19/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 5-4-00 to 6-13-01, 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.

Robert W Lawrence Commissions: NB 8226 AWI, MD 647
Inspector's Signature National Board, State, and Endorsements

Date: June 22, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 5/29/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-011, MWO No. 2199803952 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number 041 System Name: Chemical Volume Control

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class Two

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Bechtel	2-MOV-269	N/A	Charging Pump Discharge	1977	Repaired/Replaced	No
Plate	DuBose National Energy Services Inc.	28197	N/A	Plate, Steel 3/8 in. ASME SA-36, Carbon Steel	1998	Replacement	No
Nut	Allied Group	39264	N/A	Nut, Heavy Hex, 1/2 in. X 13 TPI, SA-194 Gr. 2H	1999	Replacement	No
Bar, Flat, 2" X 3/8"	Energy Steel & Supply Co.	80622-GX	N/A	Bar, Flat, 2" X 3/8" thick, ASME SA-36, Random Lengths	1993	Replacement	No
Bolt, 1/2" X 1 1/2"	Nova Machine Products Corp.	23221	N/A	Bolt, Heavy Hex Head, 1/2 in. X 1 1/2 in. ; UNC. ASME SA-193, Gr. B7	1998	Replacement	No

7. Description of Work:

This plan was for the modification of a seismic support for 2-MOV-269.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard — Engineering Technician — Date: 5/29/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 5-23-00 to 4-27-01, 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.

Robert W. Lawrence — Commissions: NB 8226 AWI, MD647
Inspector's Signature — National Board, State, and Endorsements

Date: June 8, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/27/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-018, MWO No. 2199904530 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657. (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, Winter 1968 Add; Class A, CCases N-2, N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL

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

Name of Componet	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.	SN: BS03213	N/A	Unit Two Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Relief Valve	Dresser Industries Inc.	401426 SN: BM07949	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 201 location.	2000	Replacement	Yes

7. Description of Work:
This plan was for the replacement of Unit-2 Pressurizer Safety Valve, 2-RV-201.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐
Pressure: 2250 psi. Test Temperature: 532 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. A Section XI VT-1 Visual Examination of the Valve bonnet threaded fasteners 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 6-2-2000 to 5-9-2001, 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.

Inspector's Signature

Commissions: NB11782 A,N,I ; MD1061
National Board, State, and Endorsements

Date: 7-18 2001

FORM NVR-1 REPORT OF REPAIR ☒ MODIFICATION ☐ OR REPLACEMENT ☒
NUCLEAR PRESSURE RELIEF DEVICE

1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc. (name of organization) 401426 01-27590-0 (P.O. no., job no., etc)
Intersection Hwy. 167 @ 3225 North, Alexandria, Louisiana 71309 (address)

2. Work performed for Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name and address)

3. Owner Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name)
(address)

4. Name, address and identification of nuclear power plant Baltimore Gas & Electric Co. Calvert Cliffs Nuclear Station
1650 Calvert Cliffs Parkway Lusby, Maryland 20657

5. a: Repaired pressure relief device: Safety Valve
b: Name of manufacturer Same as item 1 above
c: Identifying nos. 31739A (type) | BM-07949 (mfr's serial no.) | N/A (Nat'l. Bd. No.) | STEAM (service) | 2-1/2" (size) | 1972 (year built)
d: Construction Code ASME Section III (name/section/division) | 1968 (edition) | Winter 1968 (addenda) | W 1968 Art. 9 (Code case(s)) | 1 (Code Class)

6. ASME Code Section XI applicable for in service inspection: 1983 (edition) | Summer 1983 (addenda) | N/A (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1983 (edition) | Summer 1983 (addenda) | N/A (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1968 (edition) | W 1968 Art. 9 (addenda) | N/A (Code Case(s))

9. Design responsibility Same as item 1 above

10. Opening pressure: 2550 PSIG Blowdown (if applicable) N/A %. Set pressure and blowdown adjustment made at: Wyle Laboratories, Huntsville, Alabama (location) Using Steam (test medium)

11. Description of work: (include name and identifying number of replacement parts) Valve Was Disassembled, Nozzle Torqued, Seat Lapped, Assembled, & Tested. Parts Replaced : Guide/Support Plate Gaskets P/N 3831018N, Cotter Pins P/N 2220219, & Adj. Ring Pin Gaskets P/N 3610508.

12. Remarks:

CERTIFICATE OF INSPECTION

I, Terry W. Barnes, certify that to the best of my knowledge and belief the statements made in this report are Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. VR-70,95,97-118 & 120-124 to use the "VR" stamp expires 6-29-2001

National Board Certificate of Authorization No. NR-45 to use the "NR" stamp expires 6-30-2002

Date 2-6-01 Same as Item 1 above. (name of certificate holder) Signed Terry W. Barnes (authorized representative) Quality Engineer (title)

CERTIFICATE OF INSPECTION

I, B.C. Dosher, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Louisiana and employed by Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 2/12/01 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

Date 2/12/01 Signed [signature] Commissions NB7719 "A" N "A" 14669
(National Board (incl. endorsements), and jurisdiction, and no.)

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/21/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-025, MWO No. 2199902429** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Winter 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 Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE-67603	20916	No. 21 Pressurizer	1972	Repaired/Replaced	Yes
Assembly	ABB Combustion Engineering	42874 SN: B007-02 & 03	018 & 019	Bottom Pressurizer Mechanical Nozzle Seal Ass. per Drawing 12019-0080, Part #E-MNSABGE-228-007-1	1999	Replacement	Yes
Assembly	ABB Combustion Engineering	402065 SN: B006-03	021	Side Pressurizer Mechanical Nozzle Seal Ass. per Drawing 12019-0079, Part #E-MNSABGE-228-006-1	2001	Replacement	Yes

7. Description of Work:

This plan was for the installation of the Mechanical Nozzle Seal Assemblies (MNSA) on #21 Pressurizer Instrument taps. Because of problems with the sealing surfaces on the upper nozzles, only the lower and side nozzles were installed.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 2250 psi. Test Temperature: 532 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-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements. A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan. The NRC has requested that the MNSA design be reviewed and approved by them prior to accrediting it as a pressure boundary. The documentation has been submitted to the NRC and use of a MNSA as a pressure boundary on a leaking instrumentation tap will not be permitted until NRC approval has been received.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/21/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 1-22-01 to 5-23-01, 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.

Robert W. Lawrence Commissions: NB 8226 ANI MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 22, 2001

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by CE Nuclear Power LLC (Note 1)
   (name and address of N Certificate Holder)
2. Manufactured for Baltimore Gas & Electric Company (Note 2)
   (name and address of Purchaser)
3. Location of installation Calvert Cliffs Nuclear Power Plant, Units 1 & 2
   (name and address)
4. Type: N/A (horiz. or vert.) | B006-03 (Cert. Holder's serial no.) | N/A (CRN) | Note 5 (drawing no.) | 021 (Nat'l. Bd. no.) | 2000 (year built)
5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 1 (class) | N/A (Code Case no.)
6. Shell: N/A (mat'l. spec. no.) | N/A (tensile strength) | N/A (nom. thickness in.) | N/A (min. design thickness) | N/A (dia. ID ft & in.) | N/A (length overall ft & in.) | N/A
7. Seams: N/A (long.) | N/A (MT) | N/A (RT) | N/A (eff. %) | N/A (girth) | N/A (MT) | N/A (RT) | N/A (no. of courses)
8. Heads: SA-479 TP 304 (a) mat'l. spec. no.) | 75,000 (tensile strength) | N/A ((b) mat'l. spec. no.) | N/A (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	End-Note 3	0.73	N/A	N/A	N/A	N/A	N/A	4.81	N/A
(b)	N/A								

If removable, bolts used Note 4 (mat'l. spec. no., T.S., size, quantity) Other fastening N/A (describe or attach sketch)

9. Design pressure[2] 2500 (psi) at max. temp. 700 (°F). Min. pressure-test temp. 60 (°F). Hydro., pneu., or comb. test pressure 3325 (psi)
10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
N/A								
N/A								
N/A								
N/A								

11. Supports: Skirt N/A (yes or no) Lugs N/A (quantity) Legs N/A (quantity) Other N/A (describe) Attached N/A (where & how)
12. Remarks: See Page 2 for additional information

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

CERTIFICATION OF DESIGN

Design specifications certified by J.T. Conner P.E. State MD Reg. no. 23476
Design report certified by B.T. Lubin P.E. State CT Reg. no. 15253

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2037 Expires 2/13/02
Date 1/3/01 Name CE Nuclear Power LLC (N Certificate Holder) Signed (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 CT and employed by Hartford Steam Boiler Inspection & Insurance Co. of Hartford, CT have inspected the component described in this Data Report on 1/3/01, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 1/3/01 Signed (Authorized Nuclear Inspector) Commissions NB10644 A,N,I, CT1262 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

This form (E00039) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by CE Nuclear Power LLC (Note 1)
(name and address of N Certificate Holder)

2. Manufactured for Baltimore Gas & Electric Company (Note 2)
(name and address of Purchaser)

3. Location of installation Calvert Cliffs Nuclear Power Plant, Units 1 & 2
(name and address)

4. Type: N/A (horiz. or vert.) | B006-03 (Cert. Holder's serial no.) | N/A (CRN) | Note 5 (drawing no.) | 021 (Nat'l. Bd. no.) | 2000 (year built)

Description: This is a Mechanical Nozzle Sealing Assembly (MNSA) used as a mechanical sealing device on the side instrument nozzles of the plant's pressurizer. It is exposed to the plant's system pressure of 2500 psi. The design temperature for the pressurizer is 700°F.

Note #1: CE Nuclear Power LLC
2000 Day Hill Road
Windsor, CT 06095

Note #2: Baltimore Gas & Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657

Note #3: Upper Flange, Item 6, Drawing Number E-MNSABGE-228-006.

Note #4: Bolting Material SA-453, Tensile Strength - 130,000 psi
Bolt Size 1/2-20 UNF, Four (4) bolts used.

Note #5: E-MNSABGE-228-006, Rev. 05

CE Nuclear Power LLC 1/3/01

H.S.B.I. & I. Company 1/3/01

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by ABB Combustion Engineering Nuclear Power (Note 1)
(name and address of N Certificate Holder)

2. Manufactured for Baltimore Gas & Electric Company (Note 2)
(name and address of Purchaser)

3. Location of installation Calvert Cliffs Nuclear Power Plant, Units 1 & 2
(name and address)

4. Type: N/A (horiz. or vert.) | B007-02 (Cert. Holder's serial no.) | N/A (CRN) | Note 5 (drawing no.) | 018 (Nat'l. Bd. no.) | 2000 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 1 (class) | N/A (Code Case no.)

6. Shell: N/A (mat'l. spec. no.) | N/A (tensile strength) | N/A (nom. thickness in.) | N/A (min. design thickness) | N/A (dia. ID (ft & in.)) | N/A | N/A (length (overall) (ft & in.))

7. Seams: N/A (long.) | N/A (HT*) | N/A (RT) | N/A (eff. %) | N/A (girth) | N/A (HT*) | N/A (RT) | N/A (no. of courses)

8. Heads: SA-479 TP 304 (a) mat'l. spec. no.) | 75,000 (tensile strength) | N/A ((b) mat'l. spec. no.) | N/A (tensile strength)

	Location (top, bottom, one)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	End-Note 3	0.50	N/A	N/A	N/A	N/A	N/A	7.50	N/A
(b)	N/A								

If removable, bolts used Note 4 (mat'l. spec. no., T.S., size, quantity) Other fastening N/A (describe or attach sketch)

9. Design pressure* 2500 (psi) at max. temp. 700 (°F). Min. pressure-test temp. 60 (°F). Hydro., pneu., or comb. test pressure 3175 (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
N/A								
N/A								
N/A								
N/A								

11. Supports: Skirt N/A (yes or no) Lugs N/A (quantity) Legs N/A (quantity) Other N/A (description) Attached N/A (welded & how)

12. Remarks: See Page 2 for additional information

* If postweld heat treated. * List other internal or external pressure with coincident temperature when applicable.

CERTIFICATION OF DESIGN

Design specifications certified by J.T. Conner P.E. State MD Reg. no. 23476

Design report certified by B.T. Lubin P.E. State CT Reg. no. 15253

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2037 Expires 2/13/02

Date 3/3/00 Name ABB Comb. Eng. Nuc. Power (N Certificate Holder) Signed (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 CT and employed by Hartford Steam Boiler Inspection & Insurance Co. of Hartford, CT have inspected the component described in this Data Report on MAR. 6, 2000, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 3/16/00 Signed (Authorized Nuclear Inspector) Commissions NB8962 N CT-1111 (Nat'l. Bd. incl. endorsements and state or prov. and no.)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

This form (E00039) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by ABB Combustion Engineering Nuclear Power (Note 1)
(name and address of N Certificate holder)
2. Manufactured for Baltimore Gas & Electric Company (Note 2)
(name and address of Purchaser)
3. Location of installation Calvert Cliffs Nuclear Power Plant, Units 1 & 2
(name and address)
4. Type: N/A (horiz. or vert.) | B007-02 (Cert. Holder's serial no.) | N/A (CRN) | Note 5 (drawing no.) | 018 (Nat'l. Bd. no.) | 2000 (year built)

Description: This is a Mechanical Nozzle Sealing Assembly (MNSA) used as a mechanical sealing device on the bottom instrument nozzles of the plant's pressurizer. It is exposed to the plant's system pressure of 2500 psi. The design temperature for the pressurizer is 700°F

Note # 1: ABB Combustion Engineering Nuclear Power
2000 Day Hill Road
Windsor, CT 06095

Note # 2: Baltimore Gas & Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657

Note # 3: Upper Flange, Item 6, Drawing Number E-MNSABGE-228-007 (B) 3-6-00 Rev. 3/6/00

Note # 4: Bolting Material SA-453, Tensile Strength - 130,000 psi
Bolt Size 1/2-20 UNF, Four (4) Bolts used

Note # 5: E-MNSABGE-228-007, Rev. 03

Note # 6: Portions of the construction process were performed during 1999 and 2000 with final testing, stamping and certification completed in 2000.

Charles A. Lyttle — ABB Combustion Engineering Nuclear Power

Willie W. Will NB8962 N CT-1111 — H.S.B.I. & I. Co. 3/6/00

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by ABB Combustion Engineering Nuclear Power (Note 1)
   (name and address of N Certificate Holder)
2. Manufactured for Baltimore Gas & Electric Company (Note 2)
   (name and address of Purchaser)
3. Location of installation Calvert Cliffs Nuclear Power Plant, Units 1 & 2
   (name and address)
4. Type: N/A (horiz. or vert.) | B007-03 (Cert. Holder's serial no.) | N/A (CRN) | Note 5 (drawing no.) | 019 (Nat'l. Bd. no.) | 2000 (year built)
5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 1 (class) | N/A (Code Case no.)
6. Shell: N/A (mat'l. spec. no.) | N/A (tensile strength) | N/A (nom. thickness in.) | N/A (min. design thickness) | N/A (diameter (ft & in.)) | N/A | N/A (length (overall) (ft & in.))
7. Seams: N/A (long.) | N/A (HT*) | N/A (RT) | N/A (eff. %) | N/A (girth) | N/A (HT*) | N/A (RT) | N/A (no. of courses)
8. Heads: SA-479 TP 304 (a) mat'l. spec. no. | 75,000 (tensile strength) | N/A (b) mat'l. spec. no. | N/A (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	End-Note 3	0.50	N/A	N/A	N/A	N/A	N/A	7.50	N/A
(b)	N/A								

If removable, bolts used Note 4 (mat'l. spec. no., T.S., size, quantity) Other fastening N/A (describe or attach sketch)

9. Design pressure* 2500 (psi) at max. temp. 700 (°F). Min. pressure-test temp. 60 (°F). Hydro., pneu., or comb. test pressure 3150 (psi)
10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
N/A								
N/A								
N/A								
N/A								

11. Supports: Skirt N/A (yes or no) Lugs N/A (quantity) Legs N/A (quantity) Other N/A (describe) Attached N/A (where & how)
12. Remarks: See Page 2 for additional information

* If postweld heat treated. ... at other internal or external pressure with coincident temperature when applicable.

CERTIFICATION OF DESIGN

Design specifications certified by J.T. Conner P.E. State MD Reg. no. 23476

Design report certified by B.T. Lubin P.E. State CT Reg. no. 15253

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2037 Expires 2/13/02

Date 3/3/00 Name ABB Comb. Eng. Nuc. Power (N Certificate Holder) Signed Charles A. Lyttle (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 CT and employed by Hartford Steam Boiler Inspection & Insurance Co. of Hartford, CT have inspected the component described in this Data Report on MAR. 6, 2000, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 3/6/00 Signed Willie W. Wall (Authorized Nuclear Inspector) Commissions NB8962N CT-1111 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

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FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by ABB Combustion Engineering Nuclear Power (Note 1)
(name and address of N Certificate Holder)
2. Manufactured for Baltimore Gas & Electric Company (Note 2)
(name and address of Purchaser)
3. Location of installation Calvert Cliffs Nuclear Power Plant, Units 1 & 2
(name and address)
4. Type:

N/A	B007-03	N/A	Note 5	019	2000
(horiz. or vert.)	(Cert. Holder's serial no.)	(CRN)	(drawing no.)	(Nat'l. Bd. no.)	(year built)

Description: This is a Mechanical Nozzle Sealing Assembly (MNSA) used as a mechanical sealing device on the bottom instrument nozzles of the plant's pressurizer. It is exposed to the plant's system pressure of 2500 psi. The design temperature for the pressurizer is 700°F

Note # 1: ABB Combustion Engineering Nuclear Power
2000 Day Hill Road
Windsor, CT 06095

Note # 2: Baltimore Gas & Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657

Note # 3: Upper Flange, Item 6, Drawing Number E-MNSABGE-228-006 7 (R) 3.6.00 2000y 3/6/00

Note # 4: Bolting Material SA-453, Tensile Strength - 130,000 psi
Bolt Size 1/2-20 UNF, Four (4) Bolts used

Note # 5: E-MNSABGE-228-007, Rev. 03

Note # 6: Portions of the construction process were performed during 1999 and 2000 with final testing, stamping and certification completed in 2000.

Charles A. Lyttle — ABB Combustion Engineering Nuclear Power

Willie W. Will NB8962 N CT-1111 — H.S.B.I. & I. Co.

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/10/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-036, MWO No. 2199904525 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Summer 1983 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	SN: 1C868	NB 1295	# 21A Reactor Coolant Pump Mechanical Seal	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	0199900978 SN: 1C875	N/A	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2000	Replacement	Yes

7. Description of Work:

This plan was for the replacement of the mechanical seal on #21A Reactor Coolant Pump.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 2250 psi. Test Temperature: 532 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard Engineering Technician Date: 7/10/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 8-24-00 to 5-14-01, 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.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 24, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/19/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-037, MWO No. 2200000781** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)
Section XI Class: **Two**

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

5. (a) Applicable Construction Code and Class: **ASME B16.5 1968 Edition, Steel Pipe Flanges and Flanged Fittings NPS 1/2" thru 24" & CCase N-10**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 0618	N/A	#21B Low Pressure Safety Injection Header Check Valve	1977	Repaired/Replaced	No
Disc	Velan Engineering Co.	30070-GX SN: 3182	N/A	Disc, Velan, Item No. 3 Dwg. 12124-0002, SA-182 F-316 S.S. for Velan 6"/1500lb. Check Valve	1982	Replacement	No

7. Description of Work:
This Plan was for the maintenance work on 2-CKVSI-114; replace valve disc.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/19/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 8-21-00 to 4-19-01, 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.

Robert L Lawrence Commissions: NB8226 ANI, MD 647
Inspector's Signature National Board, State, and Endorsements

Date: June 21, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/27/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-049, MWO No. 2199904528** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Winter 1968 Add; Class A, CCases N-2, N-10**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	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.	BN-04375	N/A	Unit Two Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Relief Valve	Dresser Industries Inc.	400043 SN: BV-02950	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 200 location.	2000	Replacement	Yes
Disc	Dresser Industries Inc.	95597-GX SN: ACM-74	N/A	Disc, Valve, 2-1/2 in. Model #31739A,, Dresser P/N 1840404N; ASME SB637 Gr. 688	1995	Replacement	Yes

7. Description of Work:

This plan was for the replacement of Unit-2 Pressurizer Safety Valve, 2-RV-200.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 2250 psi. Test Temperature: 532 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. A Section XI VT-1 Visual Examination of the Valve bonnet threaded fasteners 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 Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-6-01 to 5-21-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature — National Board, State, and Endorsements

Date: June 29, 2001

FORM NVR-1 REPORT OF REPAIR ☒ MODIFICATION ☐ OR REPLACEMENT ☒
OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc. (name of organization) 400043 01-27308-0 (P.O. no., job no., etc)
Intersection Hwy. 167 @ 3225 North, Alexandria, Louisiana 71309 (address)

2. Work performed for Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name and address)

3. Owner Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name) (address)

4. Name, address and identification of nuclear power plant Baltimore Gas & Electric Co. Calvert Cliffs Nuclear Station
1650 Calvert Cliffs Parkway Lusby, Maryland 20657

5. a: Repaired pressure relief device: Safety Valve
b: Name of manufacturer Same as item 1 above
c: Identifying nos. 31739A (type) | BV-02950 (mfr's serial no.) | N/A (Nat'l. Bd. No.) | STEAM (service) | 2-1/2" (size) | 1982 (year built)
d: Construction Code ASME Section III (name/section/division) | 1968 (edition) | Winter 1968 (addenda) | N/A (Code case(s)) | 1 (Code Class)

6. ASME Code Section XI applicable for in service inspection: 1983 (edition) | Summer 1983 (addenda) | N/A (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1983 (edition) | Summer 1983 (addenda) | N/A (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1968 (edition) | Winter 1968 (addenda) | N/A (Code Case(s))

9. Design responsibility Same as item 1 above

10. Opening pressure: 2485 PSIG Blowdown (if applicable) N/A %. Set pressure and blowdown adjustment made at: Wyle Laboratories, Huntsville, Alabama (location) Using Steam (test medium)

11. Description of work: (include name and identifying number of replacement parts) Valve Was Disassembled, Nozzle Torqued, Seat Lapped, Assembled, & Tested. Pressure Retaining Parts Replaced: Disc P/N 184040-4N S/N ACM74. Other Parts Replaced : Guide/Support Gaskets P/N 3831018N, Cotter Pins P/N 2220219, & Ring Pin Gaskets P/N 3610508.

12. Remarks:

CERTIFICATE OF INSPECTION

I, Terry W. Barnes, certify that to the best of my knowledge and belief the statements made in this report are Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. VR-70,95,97-118 & 120-124 to use the "VR" stamp expires 6-29-2001

National Board Certificate of Authorization No. NR-45 to use the "NR" stamp expires 6-30-2002

Date 11-6-00 Same as Item 1 above. (name of certificate holder) Signed Terry W. Barnes (authorized representative) Quality Engineer (title)

CERTIFICATE OF INSPECTION

I, B.C. Dosher, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Louisiana and employed by Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 11/6/00 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

Date 11/6/00 Signed B.C. Dosher Commissions LA 1864

(National Board (incl. endorsements), and jurisdiction, and no.)

Industrial Valves | DRESSER

Alexandria, Louisiana USA

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

As Required by the Provisions of the ASME Code, Section III, Div. 1

Not to Exceed One Day's Production

1. Manufactured and certified by Dresser Industries, Inc., Dresser Valve & Controls Div. Industrial Valve Operations Intersection Hwy. 167 & 3225 North, Alexandria, LA 71309-1430 (Name and Address of Certificate Holder)
2. Manufactured for Baltimore Gas & Electric P. O. Box 1535 Baltimore, MD 21203-1535 (Name and Address of Purchaser)
3. Location of Installation Baltimore Gas & Electric 1650 Calverts Cliffs Parkway Lusby, MD 20657 (Name and Address)
4. Type OS417 (Drawing No.) SB637 Inconel X750 (Mat'l. Spec. No.) N/A (Tensile Strength) N/A (CRN) 1995 (Year Built)
5. ASME Code, Section III: 1968 (Edition) Winter 1968 (Addenda) A Article 9 (Class) N/A (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (No.) Revision N/A Date N/A
7. Remarks: N/A
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft.&in.) N/A Length overall (ft.&in.) N/A
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
(1) ACM 71	
(2) ACM 72	
(3) ACM 73	
(4) ACM 74	
(5) ACM 75	
(6) ACM 76	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(49)	
(50)	

10. Design Pressure N/A psi Temp. N/A °F Hydro test pressure 4500 at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8½ x 11, (2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

CERTIFICATE OF DESIGN

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

Design report* certified by N/A P.E. N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that these disc conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-2434, Expires May 20, 1995

Date 1/27/95 Name See Line 1 Signed
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP COMPLIANCE

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Vessel Inspector and the state or province of Louisiana and employed by The Hartford Steam Boiler Inspection & Insurance Co., of Hartford, CT, have inspected these items described in this data report on 1/30/95, and state that to the best of my knowledge and believe, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. 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 1/30/95 Signed Commissions LA664
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **7/23/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 12

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-054, MWO No. 2200001654** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)
Section XI Class: **Two**

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 Two**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Edition Summer 83 Addenda**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crosby Valve & Gage Co.	SN: N55291-00-0002	N/A	Shutdown Cooling Return Header Relief Valve	1973	Repaired/Replaced	Yes
Coupling	DuBose National Energy Services Inc.	54906-GX Ht. Code: P710	N/A	Coupling, 1 1/2 in. , 3000 Lb. Socket Weld, ASME SA-182, Gr. F316.	1992	Replacement	No
Pipe	Tioga Pipe Supply Co. Inc.	76446-GX HT: A7649H	N/A	Pipe, 1 1/2 in. Sch. 40, SA-376, TP304	1993	Replacement	No
Valve, Relief	Crosby Valve & Gage Company	97101-GX SN: N55291-00-0003	N/A	Valve, Relief, Nozzle Type, 1 1/2 in. X 2 1/2 in., Style JO-35-WR-S, Item on Drwg.#12791-0002.	1994	Replacement	Yes
Flange	Energy Steel & Supply Co.	401102 Ht. Code: 354ZNE	N/A	Flange, Raised Face, 1 1/2 in., Socket-Welded, Sch. 40, 300 Lbs. ASME SA-182, Gr. F316.	2000	Replacement	No
Spring	Crosby Valve & Gage Company	81093-GX SN: NX3072-0015	N/A	Spring & Washer Set, for Relief Valve Model JO-35-WR-S; ASTM A-479 Type 316 or A-313 Type 316	1993	Replacement	No

7. Description of Work:
This plan was for the replacement of 2-RV-468, Shutdown Cooling Return Header Relief Valve.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐
Pressure: 12 psi. Test Temperature: 119 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-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard Engineering Technician Date: 7/23/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 11-10-00 to 6-13-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 23, 2001

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MA

Q.C.-44C-1

FORM NV-1, FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code Rules
DATA REPORT
Safety and Safety Relief Valves

1. Manufactured by Crosby Valve & Gage Company 43 Kendrick St. Wrentham, MA 02093
(Name and Address of N Certificate Holder)
Model No. JO-35-WR-S Order No. NV5000204 Contract Date 6 OCT 1994 National Board No:-

2. Manufactured for BALTIMORE GAS & ELECTRIC CO.BALTIMORE ,MD 21203 Order No. 97101GX
(Name and Address)

3. Owner BALTIMORE GAS & ELECTRIC CO. LUSBY ,MD 20657
(Name and Address)

4. Location of Plant CALVERT CLIFFS NUCLEAR POWER PLANT

5. Valve Identification SPARE Serial No. N55291-00-0003 Drawing No. H-55291 REV.B

Type (Safety, Safety Relief, Pilot, Power Actuated)	Orifice Size (Inch)	Pipe Size (Inch)	Inlet (Inch)	Outlet (Inch)
RELIEF	0.840	---	1 1/2	2 1/2

6. Set Pressure 285.0 350 F
Rated Temperature
Stamped Capacity 132 GPM WTR @70 DEG @ 10 % Overpressure --- Blowdown (psig) 10 % OF SP
Hydrostatic Test (PSIG) Inlet 430 Complete Valve 300

7. The material, design, construction and workmanship comply with ASME Code, Section III.

Class 2 Edition 1971, Addenda Date NO ADDENDA, Case No. --

		Serial No. Identification	Material Specification Including Type or Grade
a.	Castings		
	Body	N89447-32-0003	ASTM A351 GR.CF8M
	Bonnet	N89443-32-0003	ASTM A351 GR.CF8M
b.	Bar Stock & Forgings		
	Support Rods	---	---
	Nozzle	N89446-33-0004	ASTM A479 TYPE 316
	Disc	N89445-54-0065	ASTM A479 TYPE 316
		N88830-43-0851	
	Spring Washers	N88830-43-0852	ASTM A479 TYPE 316
	Adjusting Bolt	N88869-66-0107	ASTM A479 TYPE 316
	Spindle	N89444-66-0076	ASTM A479 TYPE 316
c.	Spring	NX2661-0004	ASTM A313 TYPE 316
d.	Bolting	---	---
e.	Other Pieces		
	BONNET STUD	N95882	ASTM A193 GR.B7
	BONNET NUT	N95883	ASTM A194 CLASS 2H

6622

Q.C.-44C-1

We certify that the statements made in this report are correct.

Date 31 Mar 95 Signed Crosby Valve & Gage Company by Laurence Lessa
Manufacturer

Certificate of Authorization No. 1878 expires 30 SEP 95.

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 Massachusetts and employed by Arkwright -Boston Manufacturers Mutual Insurance Company have inspected the equipment described in this Data Report on Mar 31, 19 95 and state that to the best of my knowledge and belief, the Manufacturer has constructed thisequipment in accordance with the applicable Subsections of ASME 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 3/31, 1995.

Signed [signature] (Inspector)

Factory Mutual System

Commissions MA1455
(Nat'l. Bd., State, Prov. and No.)

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8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 2250 psi. Test Temperature: 532 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.

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. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan. Code Case 2142 (Weld Wire applicability) invoked with this material/modification.

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 Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

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

Signed: T.J. Unkle, Engineering Technician Date: 7/17/2001

Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-19-01 to 7-24-01, 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.

Robert W. Lawrence Commissions: NB 8226 NI, MD647

Inspector's Signature National Board, State, and Endorsements

Date: July 24, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/17/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-055, MWO No. 2199800769 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Winter 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 Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE-67108; CE-7208	20912	Unit Two Reactor Vessel & Head	1971	Repaired/Replaced	Yes
Stalk Assy, 4 Hole, ICI	CE Nuclear Power LLC	400061 S/N 1	N/A	Stalk Assembly, 4 Hole, Quick-Loc ICI Mod. Westinghouse/CE P/N E-Quickloc-165-001-03, Item No. 12	2000	Replacement	No
Stalk Assy., 5 Hole, ICI	CE Nuclear Power LLC	400061 S/N 1	N/A	Stalk Assembly, 5 Hole, Quick-Loc ICI Mod. Westinghouse/CE P/N E-Quickloc-165-001-02, Item No. 9	2000	Replacement	No
Stalk, Assy., 6 Hole, ICI	CE Nuclear Power LLC	400061 S/N 1 thru 6	N/A	Stalk Assem., 6 Hole, QuickLoc ICI Mod. West/CE P/N E-Quickloc-165-001-01, Items 10, 11, 13-16	2000	Replacement	No
Nut, Quickloc ICI Assy	CE Nuclear Power LLC	400061 S/N 1-5, 7, 8, 10	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	400061 HT# LGX/LHB	N/A	Plug, Swagelok, Quick-Loc ICI Mod. Westinghouse/CE P/N E-Quickloc-165-014-8, Item No. 33	2000	Replacement	No
Flange, Welded Upper	CE Nuclear Power LLC	400061 S/N 1 thru 8	N/A	Flange, Welded Upper, for Quick-Loc ICI Assembly, Westinghouse/CE P/N E-Quickloc-165-001-19, Item 25	2000	Replacement	No
Collar, Comp, (Mod)	CE Nuclear Power LLC	400061 S/N 9 thru 16	N/A	Collar, Compression, Modified for Quick-Loc ICI Assembly. P/N E-8067-165-321-01	2000	Replacement	No

7. Description of Work:

This R&R Plan covered the installation of the In-Core Instrumentation (ICI) Quick-Loc Flange Modification.

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/27/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-057, MWO No. 2200002357** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Winter 1968 Add; Class A, CCases 1581, N-2, N-10**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	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 Industries	SN: BS07325	N/A	Unit Two Pressurizer Power Operated Safety Valve	1977	Repaired/Replaced	No
Relief Valve	Dresser Industries Inc.	401433 SN: BY11098	N/A	Valve, Pressurizer Relief, ERV, 1&2-ERV-402, 404; 2500 lb.	2001	Replacement	No

7. Description of Work:
This plan was for the replacement of the Pressurizer Power Operated Relief Valve 2-ERV-404.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐
Pressure: 2250 psi. Test Temperature: 532 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.

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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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-22-01 to 5-17-01, 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.

Robert W. Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 24, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 5/14/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-058, MWO No. 2200000782 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)
Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME B16.5 1968 Edition, Steel Pipe Flanges and Flanged Fittings NPS 1/2" thru 24" & CCase N-10

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Edition Summer 83 Addenda

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 54466	N/A	#21A Low Pressure Safety Injection Header Check Valve	1977	Repaired/Replaced	No
Nut	Nova Machine Products Corp.	38612	N/A	Nut, Heavy Hex, 1 1/4 in. X 8 TPI, SA-194 Gr. 7	1999	Replacement	No
Rod	Accutech	48104LNP	N/A	Rod, Allthread, 1 1/4 in. X 8 TPI, SA-193 Gr. B7	1996	Replacement	No
Disc	Velan Valve Corporation	401807 SN: 7466	N/A	Disc, Velan, Item No. 3 Dwg. 12124-0002, SA-182 F-316 S.S. for Velan 6"/1500lb. Check Valve	2000	Replacement	No

7. Description of Work:
This Plan was for allowing maintenance work on 2-CKVSI-124.

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 Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard Engineering Technician Date: 5/14/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 1-23-01 to 4-27-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD 647
Inspector's Signature National Board, State, and Endorsements

Date: June 14, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/13/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-060a, MWO No. 2199900513** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)
Section XI Class: **Two**

4. Identification of System: System Number **061** System Name: **Containment Spray**

5.(a) Applicable Construction Code and Class: **ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class Two**

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 0378	N/A	#21 Containment Spray Header Containment Side Check Valve	1977	Repaired/Replaced	No
Check Valve	Enertech Inc.	400462 SN: 11034	N/A	Valve, Nozzle Check, 8 in. 150 lb, Flanged end connections, ASME SA 182, Gr. F316.	2000	Replacement	Yes

7. Description of Work:

This plan was for the installation of a new design Nozzle Check Valve, Mark #245M3, to replace the Swing Check Valve, Mark #238M3, at 2-CKVSI-330.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 165 psi. Test Temperature: 100 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. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/13/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-12-01 to 5-14-01, 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.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 18, 2001

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Enertech, A Div. of Curtiss-Wright Flow Control Corp., 2950 Birch St., Brea, CA 92821
(name and address of N Certificate Holder)

2. Manufactured for Calvert Cliffs Nuclear Power Plant, PO Box 17323, Baltimore, MD 21297-1323
(name and address of Purchaser)

3. Location of installation Calvert Cliffs nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
(name and address)

4. Model No., Series No., or Type KRV Drawing MD20470 Rev. A CRN None

5. ASME Code, Section III, Division 1: 1986 (edition) No (addenda date) 2 (class) None (Code Case no.)

6. Pump or valve Nozzle Check Valve Nominal inlet size 8 (in.) Outlet size 8 (in.)

7. Material: Body SA-182 F316 Bonnet N/A Disk SA-479 Type 316 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
11034	None	KBM-001	None	KBJ-001
11035	None	KBM-002	None	KBJ-002

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 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.

Certificate Holder's Serial No. 11034 & 11035

8. Design conditions 225 (pressure) psi 250 (temperature) °F or valve pressure class 150 (1)

9. Cold working pressure 275 psi at 100°F

10. Hydrostatic test 425 psi. Disk differential test pressure 225 psi

11. Remarks: Qty. 2, Enertech Job Number 23472V

CERTIFICATION OF DESIGN

Design Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308

Design Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2826 Expires 10/26/02

Date 12/29/00 Name Enertech (N Certificate Holder) Signed [signature] (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 California and employed by Hartford Steam Boiler Insp. & Insur. Co. of Connecticut have inspected the pump, or valve, described in this Data Report on 12-29-2000, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 12/29/00 Signed [signature] (Authorized Inspector) Commissions CA1494 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/13/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-060b, MWO No. 2199900513 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number 061 System Name: Containment Spray

5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class Two

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	N/A	N/A	#21 Containment Spray Header	1977	Repaired/Replaced	No
Nut	Allied Group	39264 Heat #: S27778	N/A	Nut, Heavy Hex, 3/4 in. X 10 TPI, SA-194 Gr. 2H	1999	Replacement	No
Rod	Mackson Inc.	50814 Heat #: 44185	N/A	Rod, Allthread, 3/4 in. X 10 TPI, SA-193 Gr. B7	2000	Replacement	No
Flange	Consolidated Power Supply	401384 Heat #: D81138A	N/A	Flange, Raised Face, 8 in., Sch.10, 150 lb., Weld Neck, ASME SA182, Gr. F304	2000	Replacement	No

7. Description of Work:

This plan wass for the supporting work on the piping to install the new design Nozzle Check Valve, Mark #245M3, inplace of the Swing Check Valve, Mark #238M3, at 2-CKVSI-330.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐

Pressure: 165 psi. Test Temperature: 100 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-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan.

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 Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/13/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-12-01 to 5-14-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 18, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/13/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-060c, MWO No. 2199900513 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number 061 System Name: Containment Spray

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class Two

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

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

Name of Componet	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	2#HC33-2005-H21	N/A	#21 Containment Spray Header Pipe Support	1977	Repaired	No

7. Description of Work:

This plan was for the supporting work on the hanger support to install the new design Nozzle Check Valve, Mark #245M3, inplace of the Swing Check Valve, Mark #238M3, at 2-CKVSI-330. This only allowed for removal and reinstallation of the same material using the allowable tolerences of the drawings and ES-002.

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. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan.

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 **Repair** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Chas H. Ballard — Charles H. Ballard, Engineering Technician — Date: 6/13/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-12-01 to 5-14-01, 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.

Robert W Lawrence — Commissions: NB8226 ANI, MD647
Inspector's Signature — National Board, State, and Endorsements

Date: June 18, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/27/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-061a, MWO No. 2199905483** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: **Two**

4. Identification of System: System Number **061** System Name: **Containment Spray**

5. (a) Applicable Construction Code and Class: **ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class Two**

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	0379	N/A	#22 Containment Spray Header Containment Side Check Valve	1977	Repaired/Replaced	No
Check Valve	Enertech Inc.	400462 SN: 11035	N/A	Valve, Nozzle Check, 8 in. 150 lb, Flanged end connections, ASME SA 182, Gr. F316.	2000	Replacement	Yes

7. Description of Work:

This plan was for the installation of a new design Nozzle Check Valve, Mark #245M3, to replace the Swing Check Valve, Mark #238M3, at 2-CKVSI-340.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 110 psi. Test Temperature: 100 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. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard Engineering Technician Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-12-01 to 5-10-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 24, 2001

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Enertech, A Div. of Curtiss-Wright Flow Control Corp., 2950 Birch St., Brea, CA 92621
(name and address of N Certificate Holder)

2. Manufactured for Calvert Cliffs Nuclear Power Plant, PO Box 17323, Baltimore, MD 21297-1323
(name and address of Purchaser)

3. Location of installation Calvert Cliffs nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
(name and address)

4. Model No., Series No., or Type KRV Drawing MD20470 Rev. A CRN None

5. ASME Code, Section III, Division 1: 1986 (edition) No (addenda date) 2 (class) None (Code Case no.)

6. Pump or valve Nozzle Check Valve Nominal inlet size 8 (in.) Outlet size 8 (in.)

7. Material: Body SA-182 F316 Bonnet N/A Disk SA-479 Type 316 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
11034	None	KBM-001	None	KBJ-001
11035	None	KBM-002	None	KBJ-002

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 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.

Certificate Holder's Serial No. 11034 & 11035

8. Design conditions 225 (pressure) psi 250 (temperature) °F or valve pressure class 150 (1)

9. Cold working pressure 275 psi at 100°F

10. Hydrostatic test 425 psi. Disk differential test pressure 225 psi

11. Remarks: Qty. 2, Enertech Job Number 23472V

CERTIFICATION OF DESIGN

Design Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308

Design Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2826 Expires 10/26/02

Date 12/29/00 Name Enertech (N Certificate Holder) Signed (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 California and employed by Hartford Steam Boiler Insp. & Insur. Co. of Connecticut have inspected the pump, or valve, described in this Data Report on 12-29-2000, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 12/29/00 Signed (Authorized Inspector) Commissions CA1494 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/27/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-061b, MWO No. 2199905483 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)
Section XI Class: Two

4. Identification of System: System Number 061 System Name: Containment Spray

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class Two

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	N/A	N/A	#22 Containment Spray Header	1977	Repaired/Replaced	No
Nut	Allied Group	39264	N/A	Nut, Heavy Hex, 3/4 in. X 10 TPI, SA-194 Gr. 2H	1999	Replacement	No
Rod	Mackson Inc.	50814	N/A	Rod, Allthread, 3/4 in. X 10 TPI, SA-193 Gr. B7	2000	Replacement	No
Flange	Consolidated Power Supply	401384 Heat #: D81138A	N/A	Flange, Raised Face, 8 in., Sch.10, 150 lb., Weld Neck, ASME SA182, Gr. F304	2000	Replacement	No

7. Description of Work:

This plan was for the supporting work on the piping, 8"HC-33-2001, to install the new design Nozzle Check Valve, Mark #245M3, inplace of the Swing Check Valve, Mark #238M3, at 2-CKVSI-340.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐

Pressure: 110 psi. Test Temperature: 100 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-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-12-01 to 5-10-01, 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.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 24, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **7/23/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-062a, MWO No. 2200001884** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Winter 1972 Add, Class Two**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Edition Summer 83 Addenda**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Rockwell Univalve	2-HVMS-156	N/A	Main Steam Drain 2-DR-6 Drain Valve First Isolation	1977	Repaired/Replaced	Yes
Valve	Rockwell International Flow Control Division	95246-GX SN: PA269	N/A	Valve, Globe, 1 1/2 in. 1500 lb. Rockwell-Edward Univalve, ASME SA-105, Gr. II	1976	Replacement	Yes

7. Description of Work:
This plan was for the replacement of 2-HVMS-156, first isolation valve off of the drain line for 2-DR-6.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐
Pressure: 825 psi. Test Temperature: 518 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-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard Engineering Technician Date: 7/23/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 12-14-00 to 5-24-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 24, 2001

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Rockwell International Flow Control Division P.O. Box 501, Sulphur Springs, Texas 75482 (Name & Address of Manufacturer) Order No. 61-89594

2. Manufactured for Baltimore Gas and Electric Company P.O. Box #1472, Baltimore, MD. 21203 (Name and Address) Order No. 95246-GX

3. Owner Baltimore Gas and Electric Company

4. Location of Plant Calvert Cliffs Nuclear Power Plant Units 1 and 2 Calvert County, Maryland

5. Pump or Valve Identification (2) 1½" D3624 PT2 Valves Serial Numbers PA268& PA269

Rockwell International Assembly Lot No. H801
(Brief description of service for which equipment was designed)

(a) Drawing No. D-31602223 Rev. None Prepared by David H. Therneau

(b) National Board No. None

6. Design Conditions 2350 (Pressure) psi 700 (Temperature) °F or Pressure Class 1500 (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III. Class 2

Edition 1974, Addenda Date Winter, 1974, Case No. None

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Valve Disks F1017	A567-GR-1	Consolidated	Heat E
(b) Forgings			
Valve Bodies BM874N	SA105	Texas Forge	U.S.Steel Heat A01664
Valve Bonnet BM815N	SA105	Texas Forge	Republic Steel 442300

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in items, 1, 2, 5a and 5b 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.

This form (E00037, may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting			
(d)	Other Parts			
	Valve Stems F115	A582-T416	Carpenter	Heat X56098
	Valve Sealweld Filler metal	SFA5.1-E7018	Teledyne McKay	Heat 05T776

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Rockwell International, Sulphur Springs, Texas

Stress analysis report on file at Rockwell International, Sulphur Springs, Texas

Design specifications certified by Robert C. Williams (1) Prof. Eng. State MD Reg. No. 6947

Stress analysis report certified by David H. Therneau (1) Prof. Eng. State TX Reg. No. 30681

(1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date March 18, 19 76 Signed Rockwell International (Manufacturer) By [signature]

Certificate of Authorization No. N-848 expires August 6, 1977

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Texas and employed by Lumbermens Mutual Casualty Co. of Long Grove, IL 60049 have inspected the equipment described in this Data Report on 3-8 19 76, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of 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 3-19 19 76

[signature] (Inspector) Commissions Texas 591 (National Board, State, Province and No.)

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/27/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-062c, MWO No. 2200001884** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
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, Summer 1971 Add; Class Two**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Edition Summer 83 Addenda**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1 1/2"EB-12-2029	N/A	Main Steam Drain 2-DR-6 Piping	1977	Repaired/Replaced	No
Pipe	Energy & Process Corporation	99883-GX Ht. #668874	N/A	Pipe, 1 1/2 in. Sch. 80; ASME SA-106 Gr. B	1995	Replacement	No

7. Description of Work:
This plan was for the piping needed to support the installation of 2-HVMS-156.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☒ Functional: ☐
Pressure: 825 psi. Test Temperature: 518 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-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Chas D R. Ballard — Charles H. Ballard, Engineering Technician — Date: 6/27/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 12-14-00 to 5-24-01, 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.

Robert W Lawrence — Commissions: NB8226 ANI, MD647
Inspector's Signature — National Board, State, and Endorsements

Date: July 24, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/6/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2000-2-063, MWO No. 2199902343** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
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 B16.5 1968 Edition, Steel Pipe Flanges and Flanged Fittings NPS 1/2" thru 24" & CCase N-10**

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Copes Vulcan Inc.	SN: 7010-95031-1-1	N/A	#21 Main Steam Header Atmospheric Dump Valve	1977	Repaired/Replaced	No
Plug Assembly	Copes-Vulcan Inc.	400088 SN: 94-1 & 00-1	N/A	Trim, Plug Ass., Valve, 5 inch, 600lb., press. retaining parts; Plug, #145380, Inner Plug #145381	2000	Replacement	No

7. Description of Work:

This Plan was for the rebuilding of 2-CV-3939, which is the #21 Main Steam Header Atmospheric Dump 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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard — Engineering Technician — Date: 6/6/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-8-01 to 5-15-01, 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.

Robert W Lawrence — Commissions: NB8226 ANI, MD647
Inspector's Signature — National Board, State, and Endorsements

Date: June 8, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/21/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-2-064, MWO No. 2200002297 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)
Section XI Class: One

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	CC4-2009,H18A	N/A	Safety Injection Piping Support	1977	Repaired/Replaced	No
Shape	Energy Steel & Supply Co.	80622-GX HT# 64622	N/A	Beam, Wide Flange, 6" 20Lb/Ft; ASME SA-36	1993	Replacement	No
Plate	Consolidated Power Supply	402350 6-22-01	N/A	Plate, Steel 1/2 in. ASME SA-36, Carbon Steel	2000	Replacement	No
Bar, Flat	Consolidated Power Supply	17166-GX HT# K8600	N/A	Bar, Flat, 3 in X 1/4 in , ASME SA-36, ASME Section III, Subsect NF, Class 1	1996	Replacement	No
Strut, Sway	Anvil International, Inc.	401669	N/A	Strut, Sway, Grinnell FIG 211N, Size 4, ASME Section III NF Class 2	2000	Replacement	No

7. Description of Work:

This plan was for the replacement of the Grinnell Figure 211, Size # 2 sway strut with Size # 4 sway strut on 12" Safety Injection line support 2#CC-4-2009,H18A.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/21/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-6-01 to 5-4-01, 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.

Robert W. Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 22, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **5/22/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2001-2-009, MWO No. 2199904914** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Summer 1971 Add; Class Three**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	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**	**6"HC-23-2002-R9**	**N/A**	**Refueling Water Tank miscellaneous piping**	**1977**	**Repaired**	**No**

7. Description of Work:

This plan was for the repair of the holes in the pipe clamp on restraint 2-HC-23-2002/R9 that snubber 2-52-70 is bolted into.

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 Repair conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 5/22/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-29-01 to 4-5-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 14, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **5/18/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2001-2-010, MWO No. 2199905011** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, 1965 Edition, Winter 1967 Add; Class A CCases: 1332-2, 1332-4, 1359-1**

(b) Applicable Sect XI Ed. for Repairs/Replacement: **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE 67506	20924	#21 Steam Generator Secondary Manway	1971	Repaired/Replaced	Yes
Stud	CCNPP Machine Shop	MWO# 0199800945	N/A	Stud, 1-1/4", S/G Secondary Manway, C/E P/N 120-31, SA-193, Gr.B7 or SA-540, Gr.B24	1998	Replacement	No
Nut	ABB Combustion Engineering	17378	N/A	Nut, Hex, 1 1/4 in. 8 UNC-2B, S/G Secondary Manway, C/E P/N 120-30, SA-194, Gr.7	1997	Replacement	No

7. Description of Work:

Replaced secondary manway stud and nut after completed testing.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: [signature] T.J. Unkle, Engineering Technician Date: 5/18/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 4-2-01 to 5-9-01, 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.

Robert W. Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 19, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 5/21/2001

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-2-011, MWO No. 2199702586 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number: 061 System Name: Containment Spray

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Class Two

(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel		N/A	HC-3 Inlet Piping to Containment Spray Pps.	1977	Repaired/Replaced	No
Heavy Hex Nut	Allied Group	30754	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	1998	Replacement	No
Allthread Rod	Nova Machine Products Corp.	402325	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2000	Replacement	No

7. Description of Work:

Replaced fasteners at the HC-3 Inlet Flange Piping to #22 Containment Spray Pump.

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 Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: _____ T.J. Unkle, Engineering Technician Date: 5/21/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-30-01 to 4-22-01, 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.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 14, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** (name) Date: **6/18/2001**

39 West Lexington Street; Baltimore, MD 21201 (address) Sheet 1 of 2

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) **R&R No. 2001-2-016, MWO No. 2200101784** (P.O. no., job no., etc.)

3. Work Performed by: **Calvert Cliffs Nuclear Power Plant Dept.** (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: **One**

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

5. (a) Applicable Construction Code and Class: **ASME B16.5 1968 Edition, Steel Pipe Flanges and Flanged Fittings NPS 1/2" thru 24" & CCase N-10**

(b) Applicable Sect XI Ed. for Repairs/Replacement **83 Ed summer 83 Ad; 92 Ed summer 92 Ad for IWE/IWL**

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	**Velan Enginnering Co.**	**SN: 7018**	**N/A**	**#21B Loop Inlet Safety Injection Check Valve**	**1977**	**Repaired/Replaced**	**No**
Disc	**Velan Engineering Co.**	**76737-GX SN: 6533**	**N/A**	**Disc, Velan, 12 in. 1500 lb. Check Valve, ASME SA-182, Tp. F316, Drwg. 12124-0001, item #3**	**1992**	**Replacement**	**No**

7. Description of Work:

This plan was for the maintenance work on 2-CKVSI-217, #21B Loop Inlet Safety Injection Check Valve, replacement of the valve disc.

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. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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 **Repair/Replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 6/18/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 5-8-01 to 5-16-01, 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.

Robert W Lawrence Commissions: NB8226ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: June 19, 2001

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

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: **Calvert Cliffs Nuclear Power Plant, Inc.** Date: **5/22/2001**
(name)

39 West Lexington Street; Baltimore, MD 21201 Sheet 1 of 2
(address)

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

RWL 7-26-01

2200000166724

1650 Calvert Cliffs Parkway; Lusby, MD 20657 **R&R No. SNUB-0-001, MWO No. SNUB POOL**
(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
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: **1, 2, & 3**
(address)

4. Identification of System: System Number **065B** System Name: **Seismic Snubbers**

5. (a) Applicable Construction Code and Class: **ASME B31.1.0 1967 Ed, 1972 Add, B31.7 1969 Ed, Sum. 1971 Add. or Combustion Eng. Spec 8067-487-503**

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber Pool	Grinnell Corporation	Snubber Pool	N/A	Hydraulic Shock and Sway Suppressor	1975	Repaired/Replaced	No
Snubber, 1 1/2" X 5"	Grinnell Corp.	10765-GX S/N's: 33323 & 33324	N/A	Suppressor, Hydraulic Shock & Sway (Snubber), Size 1 1/2" X 5" Stroke, Grinnell Fig. 200N	1995	Replacement	No

7. Description of Work:

This Plan was for the creation of a Snubber Pool per Section XI 1998, IWA-4132, Items Rotated From Stock for the Unit #2 outage and to capture any new items added to this pool. This Plan covers the time period from 2-12-01 thru 5-18-01.

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. Code Case N-389-1 was invoked to use a latter edition of Section XI than that listed by the ISI Inspection Plan.

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 Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 5/22/2001
Owner or Owner's Designee, Title

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 Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-12-01 to 7-25-01, 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.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: July 25, 2001