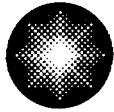


George Vanderheyden
Vice President
Calvert Cliffs Nuclear Power Plant
Constellation Generation Group, LLC

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410.495.4455
410.495.3500 Fax



Constellation Energy

August 4, 2004

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

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

Please find enclosed the Inservice Inspection Report for the Calvert Cliffs Nuclear Power Plant Unit 1. This inspection fulfilled the intentions and requirements stated in our 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,

GV/CAN/bjd

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

cc: Mr. Craig Lowry

(Without Enclosures)

J. Petro, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC
R. V. Guzman, NRC

H. J. Miller, NRC
Resident Inspector, NRC
R. I. McLean, DNR

AO47

ENCLOSURE (1)

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

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

(Name and Address of Plant)

3. Plant Unit 14. Owner Certificate of Authorization (if required) N/A5. Commercial Service Date 05/08/19756. National Board Number for Unit 20911

7. Components Inspected

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

8. Examination Dates 6/19/2002 to 7/20/20049. Inspection Period Identification: 2002 to 200610. Inspection Interval Identification: 1999 to 200911. Applicable Edition of Section XI 1998 Addenda None12. Date/Revision of Inspection Plan: CCNPP Units 1 & 2 Third Interval ISI Plan, Revision 0

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

The examinations reported herein constitute the sixteenth report of Inservice Inspections performed at Calvert Cliffs Unit 1, and the first report within the second inspection period of the third inspection interval during commercial operation. The examinations for this inspection period, as required by the Third Interval Plan for Calvert Cliffs Units 1& 2, were performed in accordance with the 1998 Edition of ASME Code Section XI with No Addenda. In addition to the Section XI required examinations we performed baremetal visual examinations of all of the Unit 1 dissimilar metal butt welds containing Alloy 82/182 material which operate at hot leg and pressurizer temperatures in accordance with the EPRI MRP recommendations. We also performed baremetal visual and volumetric examinations of the reactor vessel closure head in accordance with the revised NRC Order EA-03-009. See Attachment 1 for a list of Class 1 and 2 components examined. Nondestructive examination data and procedures are available at the plant site for review.

14. Abstract of Results of Examinations and Tests.

Surface examination of feedwater support 16-FW-1218-R3 integral attachment revealed an indication which exceeded the acceptance criteria of IWC-3512. Supplemental volumetric examinations in accordance with IWC-3512(c) verified the indication was acceptable and the depth of the indication was verified to be less than 1/32" by physical removal of the indication. Examinations of the dissimilar metal butt welds and the reactor vessel closure head were found to be acceptable with no indications of leakage.

15. Abstract of Corrective Measures.

Supplemental examinations of feedwater support 16-FW-1218-R3 found the surface indication to be acceptable.

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 N/A
Date 07/21/2004 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 ABS Consulting of

Houston, TX have inspected the components described in this Owner's Report during the peroid 6/20/2002 to 7/20/2004, 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.

DONALD A. SHAPIRA FOR MR.

JAMES D. ELLIS PER TELE-FAX

[Signature]
Inspector's Signature

Date 21 JULY 2004

Commissions NB 7453 N, I, NS, MD1160
National Board, State, Province, and Endorsements
NB 12779, MD1155

**Attachment 1
Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
Class 1									
003625	ICI BOLTING 1-64	ICI BOLTING 1-64	B-G-2	B7.10	NDE-5712-CC	VT CC04-IV-182 Accept	064	A-1	5/7/2004
Comments:	No indications noted.								
003850	2-401D	LOWER SHELL AT 0 DEG.	B-B	B2.12	NDE-5419-CC	UT CC04-IU-018 Accept	064		4/22/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
004000	3-401	LOWER SHELL TO LOWER HEAD	B-B	B2.11	NDE-5419-CC	UT CC04-IU-017 Accept	064		4/22/2004
					NDE-5419-CC	UT CC04-IU-031 Accept	064		4/27/2004
Comments:	ID GEOMETRY INDICATIONS WERE NOTED								
004050	4-404	NOZZLE TO HEAD WELDS	B-D	B3.110	NDE-5419-CC	UT CC04-IU-014 Accept	064		4/20/2004
Comments:	WILL CONSIDER SUBMITTING RELIEF REQUEST FOR THIS WELD BASED ON LIMITED UT COVERAGE								
004250	4-404-IRS	NOZZLE INSIDE RADIUS SECTION	B-D	B3.120	NDE-5417-CC	UT CC04-IU-032 Accept	064		4/21/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
004550	MANWAY STUDS/NUTS 1-20	MANWAY STUDS 1-20	B-G-1	B7.20	NDE-5712-CC	VT CC04-IV-005 Accept	064	U-1 A-3	4/10/2004
Comments:	No evidence of boric acid found								
005750	OUTLET SIDE MANWAY STUDS/NUTS	OUTLET SIDE MANWAY STUDS/NUTS	---	---	NDE-5712-CC	VT CC04-IV-011 Accept	064	U-1 A-5	4/11/2004
Comments:	No recordable indications noted								
005850	INLET SIDE MANWAY STUDS/NUTS	INLET SIDE MANWAY STUDS/NUTS	---	---	NDE-5712-CC	VT CC04-IV-012 Accept	064	U-1 A-5	4/11/2004
Comments:	No recordable indications noted								
007050	OUTLET SIDE MANWAY STUDS/NUTS	OUTLET SIDE MANWAY STUDS/NUTS	---	---	NDE-5712-CC	VT CC04-IV-013 Accept	064	U-1 A-5	4/11/2004
Comments:	No Recordable Indications noted.								
007150	INLET SIDE MANWAY STUDS/NUTS	INLET SIDE MANWAY STUDS/NUTS	---	---	NDE-5712-CC	VT CC04-IV-014 Accept	064	U-1 A-5	4/11/2004
Comments:	No recordable indications noted.								
104550	30-RC-11B - 7	ELBOW TO SAFE END	R-A	R1.20	NDE-5710-CC	VT CC04-IV-010 Accept	064	12034-0004, -0008	4/13/2004
Comments:	No leakage noted.								
107600	30-RC-12A - 10	SAFE END TO PIPE	R-A	R1.20	NDE-5710-CC	VT CC04-IV-016 Accept	064	12034-0004, -0008	4/15/2004
Comments:	No leakage noted								
110450	12-PSL - 1	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT CC04-IV-018 Accept	064	60798, 12024-0009	4/11/2004
Comments:	No leakage noted								
110850	12-PSL - 8	ELBOW TO PIPE	R-A	R1.11	NDE-5412-CC	UT CC04-IU-002 Accept	064	60798, 12024-0009	4/27/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
110900	12-PSL - 9	PIPE TO ELBOW	R-A	R1.11	NDE-5412-CC	UT CC04-IU-028 Accept	064	60798, 12024-0009	4/27/2004
Comments:	INDICATIONS WERE INTERMITTENT 360 DEGREES AROUND WELD								
111100	12-PSL -13(star)	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT CC04-IV-009 Accept	064	60798, 12024-0009	4/13/2004
Comments:	No leakage noted								

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Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category Item		Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
113150	12-SC-1004 - 1(star)	NOZZLE TO SAFE END	R-A	R1.20	NDE-5710-CC	VT CC04-IV-006 Accept	052	91101, 91146	4/10/2004
Comments:	No leakage noted								
114350	12-SI-1009 - 16	SAFE END TO NOZZLE	R-A	R1.20	NDE-5710-CC	VT CC04-IV-021 Accept	052	91100	4/14/2004
Comments:	no leakage noted								
116000	12-SI-1011 - 13	NOZZLE TO SAFE END	R-A	R1.20	NDE-5710-CC	VT CC04-IV-017 Accept	052	91100SH0003	4/15/2004
Comments:	No leakage noted								
118300	4-PS-1003 - 2	TEE TO ELBOW	R-A	R1.11	NDE-5412-CC	UT CC04-IU-029 Accept	064	91099SH0002	4/27/2004
Comments:	ID ROOT GEOMETRY WILL CONSIDER THIS WELD FOR RELIEF REQUEST BASED ON LIMITED COVERAGE								
118500	4-PS-1003 - 6	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT CC04-IV-004 Accept	064	91099SH0002	4/10/2004
Comments:	No indications noted								
123100	4-SR-1005 - 1	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT CC04-IV-022 Accept	064	91098SH0002	4/16/2004
Comments:	No leakage noted								
123450	4-SR-1006 - 1	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT CC04-IV-023 Accept	064	91098SH0001	4/16/2004
Comments:	No leakage noted								
124210	2.5-SR-1004 - 2A	PIPE TO PIPE	R-A	B9.21	NDE-5210-CC	PT CC04-IP-011 Accept	064	91098SH0001	4/23/2004
Comments:	This was a preservice examination the original report was filed with the MO package.								
126300	2-CV-1003 - 13	PIPE TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-030 Accept	041	FSK-MP-490	4/30/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
129750	2-CV-1005 - 17	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-012 Accept	041	FSK-MP-492	4/17/2004
Comments:	WILL CONSIDER FOR RELIEF REQUEST SUBMITAL DUE TO LIMITED COVERAGE								
129800	2-CV-1005 - 18	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-013 Accept	041	FSK-MP-492	4/17/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
129950	2-CV-1005 - 21	PIPE TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-033 Accept	041	FSK-MP-492	4/17/2004
Comments:	Root geometry seen intermittently 360 degrees at low amplitudes.								
130000	2-CV-1005 - 22	PIPE TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-035 Accept	041	FSK-MP-492	4/17/2004
Comments:	ROOT GEOMETRY INDICATIONS NOTED								
130450	2-CV-1005 - 29	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT CC04-IV-020 Accept	041	FSK-MP-492	4/14/2004
Comments:	No leakage noted								
131250	2-DR-1003 - 1A	SAFE END TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-036 Accept	064	FSK-MP-575, -575H	4/18/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
131500	2-DR-1004 - 1	NOZZLE TO SAFE END DRAIN LINES	R-A	R1.20	NDE-5710-CC	VT CC04-IV-008 Accept	064	FSK-MP-1053, -1053H	4/12/2004
Comments:	No leakage noted								
132150	2-DR-1006 - 1	NOZZLE TO SAFE END DRAIN LINES	R-A	R1.20	NDE-5710-CC	VT CC04-IV-019 Accept	064	FSK-MP-1006, -1006H	4/14/2004
Comments:	No leakage noted								

**Attachment 1
Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
132450	2-DR-1007 - 1	NOZZLE TO SAFE END DRAIN LINES	R-A	R1.20	NDE-5710-CC	VT CC04-IV-007 Accept	064	FSK-MP-597	4/12/2004
Comments:	No leakage noted								
133200	11A-1	INTEGRAL ATTACHMENT RCP-11A	B-K	B10.30	NDE-5210-CC	PT CC04-IP-020 Accept	064	A-33	4/22/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
133250	11A-2	INTEGRAL ATTACHMENT RCP-11A	B-K	B10.30	NDE-5210-CC	PT CC04-IP-021 Accept	064	A-33	4/22/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
133500	11A-C-1 THROUGH 16	RCP-11A SEAL BOLTING	B-G-2	B7.60	NDE-5712-CC	VT CC04-IV-080 Accept	064		4/23/2004
Comments:	No recordable indications noted								
134050	11B-C-1 THROUGH 16	RCP-11B SEAL BOLTING	B-G-2	B7.60	NDE-5712-CC	VT CC04-IV-081 Accept	064		4/23/2004
Comments:	No recordable indications noted								
134800	12A-C-1 THROUGH 16	RCP-12A SEAL BOLTING	B-G-2	B7.60	NDE-5712-CC	VT CC04-IV-084 Accept	064		4/27/2004
Comments:	No recordable indications noted								
135150	12B-C-1 THROUGH 16	RCP-12B SEAL BOLTING	B-G-2	B7.60	NDE-5712-CC	VT CC04-IV-083 Accept	064		4/27/2004
Comments:	No recordable indications noted								
135235	1-CV-100F-1	PRESSURIZER SPRAY VALVE LOWER	B-M-1	B12.30	NDE-5210-CC	PT CC04-IP-002 Accept	064	91099SH0002	4/27/2004
Comments:	No recordable indications noted.								
135240	1-CV-100F-2	PRESSURIZER SPRAY VALVE UPPER	B-M-1	B12.30	NDE-5210-CC	PT CC04-IP-003 Accept	064	91098SH0002	4/27/2004
Comments:	No recordable indications noted.								
136150	1-MOV-614 ON 12-SI-1009	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-038 Accept	052	91100	4/15/2004
Comments:	No material loss. No signs of Boric Acid								
136200	1-MOV-624 ON 12-SI-1010	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-039 Accept	052	91100SH0002	4/15/2004
Comments:	No recordable indications noted								
136250	1-MOV-634 ON 12-SI-1011	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-040 Accept	052	91100SH0003	4/15/2004
Comments:	No recordable indications noted								
136300	1-MOV-644 ON 12-SI-1012	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-031 Accept	052	91100SH0004	4/20/2004
Comments:	No recordable indications noted								
136450	1-MOV-403 ON 2.5-SR-1003	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-030 Accept	064	91098SH0002	4/27/2004
Comments:	No recordable indications noted.								
136500	1-MOV-405 ON 2.5-SR-1004	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-085 Accept	064	91098SH0001	4/27/2004
Comments:	No recordable indications noted								
136550	1-CV-517 ON 2-CV-1003	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-034 Accept	041	FSK-MP-490	4/20/2004
Comments:	No recordable indications noted								
136600	1-CVC-389 ON 2-CV-1003	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-033 Accept	041	FSK-MP-490	4/20/2004
Comments:	No bolting on this valve.								
136650	1-CVC-185 ON 2-CV-1003	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-032 Accept	041	FSK-MP-490	4/20/2004
Comments:	There was no bolting associated with this valve.								

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Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
136850	1-CVC-392 ON 2-CV-1005	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-088 Accept	041	FSK-MP-492	4/15/2004
Comments:	No valve bolting on this valve.								
137100	1-CV-515 ON 2-LD-1004	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-058 Accept	041	FSK-MP-455, -456	4/27/2004
Comments:	No recordable indications noted								
137200	1-CV-516 ON 2-LD-1002	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-059 Accept	041	FSK-MP-455, -456	4/27/2004
Comments:	No recordable indications noted								
137250	1-CV-518 ON 2-CV-1004	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-041 Accept	041	FSK-MP-401	4/15/2004
Comments:	No recordable indications noted								
137300	1-CV-519 ON 2-CV-1005	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-042 Accept	041	FSK-MP-492	4/15/2004
Comments:	No recordable indications noted								
137650	1-SI-217 ON 12-SI-1009	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-078 Accept	052	91100	4/20/2004
Comments:	No recordable indications noted								
137700	1-SI-227 ON 12-SI-1010	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-079 Accept	052	91100SH0002	4/20/2004
Comments:	No recordable indications noted								
137750	1-SI-247 ON 12-SI-1012	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-080 Accept	052	91100SH0004	4/27/2004
Comments:	No recordable indications noted.								
137800	1-SI-237 ON 12-SI-1011	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-081 Accept	052	91100SH0003	4/27/2004
Comments:	No recordable indications noted								
137850	1-MOV-651 ON 14-SC-1004	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT 2004BV026 Accept	052	91101, 91146	3/1/2004
Comments:	No indications noted.								
137900	1-MOV-652 ON 12-SC-1004	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-082 Accept	052	91101, 91146	4/27/2004
Comments:	No recordable indications noted								
137950	1-SI-118 ON 6-SI-1001	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-043 Accept	052	91100	4/15/2004
Comments:	No recordable indications noted								
138000	1-SI-128 ON 6-SI-1002	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-089 Accept	052	91100SH0002	4/15/2004
Comments:	Slight corrosion, no material loss noted								
138050	1-SI-138 ON 6-SI-1003	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-070 Accept	052	91100SH0003	4/15/2004
Comments:	No recordable indications noted								
138100	1-SI-148 ON 6-SI-1004	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT CC04-IV-036 Accept	052	91100SH0004	4/20/2004
Comments:	No recordable indications noted								
138630	2.5-SR-1007 - 2FB	INLET FLANGE BOLTING	B-G-2	B7.50	NDE-5712-CC	VT CC04-IV-087 Accept	064	91098SH0002	4/27/2004
Comments:	No recordable indications noted								
138640	2.5-SR-1008 - 2FB	INLET FLANGE BOLTING	B-G-2	B7.50	NDE-5712-CC	VT CC04-IV-086 Accept	064	91098SH0001	4/27/2004
Comments:	No indications noted								

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Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
138850	PRESSURE RETAINING COMPONENT	REACTOR PRESSURE VESSEL	B-P	B15.10	NDE-5710-CC	VT CC04-IV-164 Accept	064-A	6072SH0001	5/7/2004
Comments:	No indications noted.								
138750	PRESSURE RETAINING COMPONENT	PRESSURIZER	B-P	B15.20	NDE-5710-CC	VT CC04-IV-165 Accept	064	60729SH0001	5/7/2004
Comments:	No indications noted.								
138850	PRESSURE RETAINING COMPONENT	STEAM GENERATORS	B-P	B15.30	NDE-5710-CC	VT CC04-IV-166 Accept	064	60729SH0001	5/7/2004
Comments:	No indications noted.								
138950	PRESSURE RETAINING COMPONENT	HEAT EXCHANGERS	B-P	B15.40	NDE-5710-CC	VT CC04-IV-167 Accept	064	60729SH0001	5/7/2004
Comments:	No indications noted.								
139050	PRESSURE RETAINING COMPONENT	PIPING	B-P	B15.50	NDE-5710-CC	VT CC04-IV-168 Accept	064 052 041	60729SH0001/ 60730/ 60731	5/7/2004
Comments:	No indications noted.								
139150	PRESSURE RETAINING COMPONENT	PUMPS	B-P	B15.60	NDE-5710-CC	VT CC04-IV-169 Accept	064	60729SH0001	5/7/2004
Comments:	No indications noted.								
139250	PRESSURE RETAINING COMPONENT	VALVES	B-P	B15.70	NDE-5710-CC	VT CC04-IV-170 Accept	052 041	60730 & 60731	5/7/2004
Comments:	Minor packing leakage noted on several valves corrected on the spot under IR4-026-895.								
600250	12-PSL - H-1	COMPONENT SUPPORT	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-050 Accept	064	12024-B REV 11	4/23/2004
Comments:	No recordable indications								
603550	3-PS-1001 - H-12	COMPONENT SUPPORT	F-A	F1.10A	NDE-5711-CC	VT CC04-IV-082 Accept	064	91099SH0001, SH0002	4/20/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
605350	2-LD-1004 - R-4 (1-64-35)	COMPONENT SUPPORT-SNUBBER	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-180 Accept	041	FSK-MP-455, -456	4/19/2004
Comments:	No recordable indications noted.								
605400	2-LD-1004 (1-64-31)	COMPONENT SUPPORT-SNUBBER	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-181 Accept	041	FSK-MP-455, -456	4/19/2004
Comments:	No recordable indications noted.								
605600	2-CV-1003 - H-26, R-32	COMPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-057 Accept	041	FSK-MP-490	4/27/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
605650	2-CV-1003 - H-27, R-33	COMPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-058 Accept	041	FSK-MP-490	4/27/2004
Comments:	NO RECORDABLE INDICATIONS								
606600	2-CV-1005 - R-13, R-14	COMPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-027 Accept	041	FSK-MP-492	5/1/2004
Comments:	No relevant conditions noted.								
606650	2-CV-1005 - R-17	COMPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-185 Accept	041	FSK-MP-492	5/1/2004
Comments:	Examination following lead removal revealed no recordable indications.								
606700	2-CV-1005 - R-15, R-16, H-12	COMPONENT SUPPORT-SNUBBER	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-184 Accept	041	FSK-MP-492	5/1/2004
Comments:	Examination following lead removal revealed no recordable indications.								
					NDE-5711-CC	VT CC04-IV-026 Info	041	FSK-MP-492	4/22/2004
					NDE-5711-CC	VT CC04-IV-025 Info	041	FSK-MP-492	4/18/2004

**Attachment 1
Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
606800	2-CV-1005 - H-14	COMPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-188 Accept NDE-5711-CC VT CC04-IV-028 Info	041 041	FSK-MP-492 FSK-MP-492	5/1/2004 4/22/2004
Comments:	Re-examination following lead removal revealed no recordable indications.								
607900	11A-1SC	COMPONENT SUPPORT	F-A	F1.40C	NDE-5711-CC	VT CC04-IV-044 Info	064-B		4/23/2004
Comments:	This examination was not completed measurements need to be taken to verify the loading on the spring cans. Exam will be rescheduled to verify loads.								
607950	11A-2SC	COMPONENT SUPPORT	F-A	F1.40C	NDE-5711-CC	VT CC04-IV-045 Info	064-B		4/23/2004
Comments:	This examination was not completed measurements need to be taken to verify the loading on the spring cans. Exam will be rescheduled to verify loads.								
608000	11A-3SC	COMPONENT SUPPORT	F-A	F1.40C	NDE-5711-CC	VT CC04-IV-046 Info	064-B		4/23/2004
Comments:	This examination was not completed measurements need to be taken to verify the loading on the spring cans. Exam will be rescheduled to verify loads.								
608050	11A-4SC	COMPONENT SUPPORT	F-A	F1.40C	NDE-5711-CC	VT CC04-IV-047 Info	064-B		4/23/2004
Comments:	This examination was not completed measurements need to be taken to verify the loading on the spring cans. Exam will be rescheduled to verify loads.								
608075	1-64-096	COMPONENT SUPPORT	F-A	F1.40C	NDE-5711-CC	VT CC04-IV-049 Accept	064-B		4/23/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
608080	1-64-097	COMPONENT SUPPORT	F-A	F1.40C	NDE-5711-CC	VT CC04-IV-048 Accept	064-B		4/23/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
Class 2									
252275	SCHE-11-S1	INTEGRAL ATTACHMENT	C-C	C3.10	NDE-5110-CC	MT CC04-IM-001 Accept	052		4/8/2004
Comments:	72% coverage due to obstructions. Consider for relief request submittal. No recordable indications								
300400	24-SI-1201 - 4	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC	UT 2004BU002 Accept NDE-5210-CC PT 2004BP011 Accept	052 052	91097SH0012 91097SH0012	2/4/2004 2/4/2004
Comments:	No recordable indications noted								
300850	24-SI-1201 - R-7	INTEGRAL ATTACHMENT	C-C	C3.20	NDE-5210-CC	PT 2004BP017 Accept NDE-5210-CC PT CC04-IP-022 Accept	052 052	91097SH0012 91097SH0012	2/2/2004 6/30/2004
Comments:	INITIAL EXAM IDENTIFIED WELD SPATTER AND AN ARC STRIKE WHICH INTERFERED WITH COMPLETION OF THE EXAM FOLLOWUP EXAM HAD NO RECORDABLE INDICATIONS.								
301600	24-SI-1202 - H-22	INTEGRAL ATTACHMENT	C-C	C3.20	NDE-5210-CC	PT CC04-IP-001 Accept	052	91097SH0013	3/18/2004
Comments:	No recordable indications noted								
307200	14-SI-1201 - 2	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-001 Accept	052	91097SH0011, SH0013	3/25/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
309650	12-SI-1213 - 4	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT CC04-IU-003 Accept	052	91097SH0001	3/18/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
311300	12-SI-1214 - 22	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU018 Accept	052	91097SH0026, 91168, 91109	3/10/2004
Comments:	Previously recorded indication is not recordable under current Code.								

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Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
312250	12-SI-1216 - 1	TEE TO PIPE	R-A	R1.20	NDE-5210-CC NDE-5412-CC	PT 2004BP015 Accept UT 2004BU003 Accept	052 052	91097SH0006, 91110 91097SH0006, 91110	2/6/2004 2/6/2004
Comments:	Consider for relief request due to limited coverage on UT. No recordable indications noted.								
333550	6-SI-1217 - 3	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC	UT 2004BU014 Accept	052	91110	3/4/2004
Comments:	NO RECORDABLE INDICATIONS NOTED.								
333900	6-SI-1217 - 9	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU019 Accept	052	91110	3/10/2004
Comments:	No Indications Noted								
338850	4-SI-1209 - 1	BRANCH CONNECTION TO ELBOW	R-A	R1.20	NDE-5210-CC NDE-5412-CC	PT 2004BP012 Accept UT 2004BU005 Accept	052 052	91169 91169	2/5/2004 2/5/2004
Comments:	Relief Request required due to only 50% coverage.								
339350	4-SI-1209 - 10	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC NDE-5210-CC	UT 2004BU001 Accept PT 2004BP013 Accept	052 052	91169 91169	2/5/2004 2/5/2004
Comments:	UT exam coverage limited to 91.5% due to loss of contact on intrados of elbow.								
403350	8-CS-1205 - 3	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU024 Accept	061	91172, 91097SH0002, 91145	3/16/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
403400	8-CS-1205 - 4	ELBOW TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU025 Accept	061	91172, 91097SH0002, 91145	3/16/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
403550	8-CS-1205 - 6	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU026 Accept	061	91172, 91097SH0002, 91145	3/16/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
403650	8-CS-1205 - 8	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU020 Accept	061	91172, 91097SH0002, 91145	3/11/2004
Comments:	No Indications Noted								
408550	8-CS-1206 - 20	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC NDE-5210-CC NDE-5412-CC	UT CC04-IU-034 Accept PT CC04-IP-019 Accept UT 2004BU012 Accept	061 061 061	91097SH0007, 91173 91097SH0007, 91173 91097SH0007, 91173	5/3/2004 5/3/2004 3/4/2004
Comments:	ID GEOMETRIC INDICATIONS NOTED								
408950	8-CS-1206 - 27	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC NDE-5210-CC	UT 2004BU004 Accept PT 2004BP014 Accept	061 061	91097SH0007, 91173 91097SH0007, 91173	2/7/2004 2/6/2004
Comments:	No recordable indications noted.								
412950	14-SC-1203 - 26	PIPE TO TEE	R-A	R1.20	NDE-5412-CC	UT 2004BU021 Accept	052	91097SH0011, 91166, 91146	3/12/2004
Comments:	No Indications Noted								
413000	14-SC-1204 - 1	TEE TO PIPE	R-A	R1.20	NDE-5412-CC	UT 2004BU022 Accept	052	91097SH0001	3/12/2004
Comments:	No Indications Noted								
413100	14-SC-1204 - 2	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU015 Accept	052	91097SH0001	3/8/2004
Comments:	ID Root Geometry noted. No recordable indications noted.								

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Inservice Inspection Report**

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Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
413150	14-SC-1204 - 3	ELBOW TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU018 Accept	052	91097SH0001	3/8/2004
Comments:	ID Root Geometry noted. No recordable indications noted.								
417200	10-SC-1214 - 1	TEE TO PIPE	R-A	R1.20	NDE-5412-CC	UT 2004BU017 Accept	052	91097SH0001, SH0005	3/4/2004
Comments:	Will consider for relief request due to UT coverage.								
417950	10-SC-1214 - 13	ELBOW TO PIPE	R-A	R1.20	NDE-5412-CC	UT CC04-IU-004 Accept	052	91097SH0001, SH0005	3/24/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
419150	8-SC-1206 - 1A	PIPE TO ELBOW	R-A	R1.20	NDE-5412-CC	UT 2004BU013 Accept	052	91097SH0011	3/4/2004
Comments:	NO RECORDABLE INDICATIONS NOTED.								
421400	1/8-RV-3993	BRANCH CONNECTION	C-F-2	HELB	NDE-5110-CC	MT CC04-IM-006 Accept	083	60345SH0001	4/17/2004
Comments:	To be considered for relief request due to coverage.								
					NDE-5411-CC	UT CC04-IU-021 Accept	083	60345SH0001	4/23/2004
422350	1/8-RV-4001	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-IM-005 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT coverage.								
					NDE-5411-CC	UT CC04-IU-022 Accept	083	60345SH0001	4/23/2004
422400	1/8-RV-4002	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-IM-007 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT coverage.								
					NDE-5411-CC	UT CC04-IU-020 Accept	083	60345SH0001	4/23/2004
422450	1/8-RV-4003	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-IM-004 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT coverage.								
					NDE-5411-CC	UT CC04-IU-019 Accept	083	60345SH0001	4/23/2004
422500	1/8-RV-4004	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-IM-003 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT coverage.								
					NDE-5411-CC	UT CC04-IU-024 Accept	083	60345SH0001	4/23/2004
422550	1/8-RV-4005	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-IM-002 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT coverage.								
					NDE-5411-CC	UT CC04-IU-023 Accept	083	60345SH0001	4/23/2004
433500	16-FW-1218 - R-3	INTEGRAL ATTACHMENT	C-C	C3.20	NDE-5110-CC	MT CC04-IM-010 Accept	045	91093	4/28/2004
					NDE-5413-CC	UT CC04-IU-016 Accept	045	91093	4/22/2004
					NDE-5403-CC	UT CC04-IU-037 Info	045	91093	4/28/2004
					NDE-5110-CC	MT CC04-IM-008 Reject	045	91093	4/21/2004
Comments:	The rejectable surface indication was found to be acceptable using supplemental volumetric techniques and the depth was verified to be less than 1/32" by physical removal of the indication.								
433550	16-FW-1218 - 8	PIPE TO PIPE	R-A	R1.20	NDE-5411-CC	UT CC04-IU-010 Accept	045	91093	4/13/2004
Comments:	ID ROOT GEOMETRY INDICATIONS NOTED								
436050	PRESSURE RETAINING COMPONENT	SYSTEM LEAKAGE TEST	C-H	C7.10	NDE-5710-CC	VT CC04-IV-171 Accept	083	036 041 045 052 VARIOUS	5/7/2004
Comments:	No indications noted.								

**Attachment 1
Inservice Inspection Report**

Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD 20657
Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
436150	PRESSURE RETAINING COMPONENT	PIPING	C-H	C7.30	NDE-5710-CC	VT CC04-IV-172 Accept	PRESSURE RETAINING COMPONENTS	VARIOUS	5/7/2004
Comments:	No indications noted.								
436250	PRESSURE RETAINING COMPONENT	PUMPS	C-H	C7.50	NDE-5710-CC	VT CC04-IV-179 Accept	PRESSURE RETAINING COMPONENTS	VARIOUS	5/7/2004
Comments:	No indications noted.								
436350	PRESSURE RETAINING COMPONENT	VALVES	C-H	C7.70	NDE-5710-CC	VT CC04-IV-174 Accept	PRESSURE RETAINING COMPONENTS	VARIOUS	5/7/2004
Comments:	No indications noted.								
700900	SCHE-11-S1	COMPONENT SUPPORT	F-A	F1.40B	NDE-5711-CC	VT CC04-IV-183 Accept	052	B-3 / 12015-0012	7/20/2004
Comments:	No recordable indications noted.								
701000	SCHE-12-S1	COMPONENT SUPPORT	F-A	F1.40B	NDE-5711-CC	VT 2004BV004 Accept	052		2/9/2004
Comments:	No recordable indications noted.								
701250	24-SI-1001 - R-7	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV003 Accept	052	91097SH0012	2/2/2004
Comments:	The as found conditions were accepted in accordance with ES200400128 Supp No. 000.								
701450	24-SI-1202 - H-22	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VT 2004BV034 Accept	052	91097SH0013	3/18/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
704450	12-SI-1004 - H-2	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-073 Accept	052	91097SH0026, 91168, 91109	3/10/2004
Comments:	No recordable indications noted								
704750	10-SI-1002 - R-12	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-001 Accept	052	91097SH0026	3/29/2004
Comments:	No Recordable indications								
708250	6-SI-1010 - H-3	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VT 2004BV025 Reject	052	91143, 91100SH0001	3/1/2004
Comments:	Issue Report #IR4-009-424 was written to evaluate the as found conditions. ES200400221 Supp No. 0 accepted the as found condition and directed the drawings to be changed.								
708950	6-SI-1012 - R-2	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VT 2004BV024 Accept	052	91144, 91100SH0002	3/1/2004
Comments:	No recordable indications noted.								
711700	4-SI-1208 - H-11, R-9	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV028 Accept	052	91097SH0016, SH0017	3/4/2004
Comments:	No recordable indications noted.								
711750	4-SI-1208 - H-10, R-8	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-071 Accept	052	91097SH0016, SH0017	3/25/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
717850	2-SI-1226 - S-1	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV016 Accept	052	FSK-MP-432	2/24/2004
Comments:	No recordable indications noted.								
717900	2-SI-1226 - S-2	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV017 Reject	052	FSK-MP-432	2/24/2004
Comments:	Issue Report # IR4-009-422 was written to evaluate the as found conditions. ES200400154 Supp No. 0 evaluated the as found conditions and found them to be acceptable and directed the drawing to be updated to reflect the as built conditions.								
717950	2-SI-1226 - S-3	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV018 Accept	052	FSK-MP-432	2/24/2004
Comments:	Issue Report # IR4-009-421 was written to evaluate the as found conditions. ES200400154 Supp No. 0 evaluated the as found conditions and found them to be acceptable and directed the drawing to be updated to reflect the as built conditions.								
718300	8-CS-1203 - R-3	COMPONENT SUPPORT-SNUBBER	F-A	F1.20C	NDE-5711-CC	VT 2004BV002 Accept	061	91097SH0005	2/9/2004
Comments:	Concrete damage is not service induced. No recordable indications noted.								

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Inservice Inspection Report**

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Plant Unit: 1

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

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
718900	8-CS-1205 - H-5, R-3	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VT 2004BV033 Accept	061	91172, 91097SH0002, 91	3/16/2004
Comments:	Clearances found were acceptable in accordance with ES-002.								
721550	14-SC-1203 - A-270	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV001 Accept	052	91097SH0011, 91166, 91	2/6/2004
Comments:	No recordable indications noted.								
721950	14-SC-1204 - H-5, R-4	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VT 2004BV031 Accept	052	91097SH0001	3/8/2004
Comments:	SOME MINOR COATINGS DAMAGE ON RESTRAINT NOTED								
722300	14-SC-1204 - R-1	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-002 Accept	052	91097SH0001	3/29/2004
Comments:	No recordable indications								
722750	12-SC-1208 - H-3	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-072 Accept	052	91097SH0002, SH0006	3/25/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
723500	10-SC-1214 - H-8, R-7	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-003 Accept	052	91097SH0001, SH0005	3/18/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
725750	34-MS-1204 - H-6	COMPONENT SUPPORT-VARIABLE	F-A	F1.20C	NDE-5711-CC	VT CC04-IV-075 Accept	063	60345SH0001	4/19/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
725800	34-MS-1204 - R-8	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-076 Accept	063	60345SH0001	4/20/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
725950	34-MS-1205 - H-1	COMPONENT SUPPORT-VARIABLE	F-A	F1.20C	NDE-5711-CC	VT CC04-IV-077 Accept	063	60345SH0001	4/19/2004
Comments:	NO RECORDABLE INDICATIONS NOTED								
726800	6-MS-1208 - R-2	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-015 Accept	063	60345SH0001, SH0002	4/9/2004
Comments:	No recordable indications.								
727200	16-FW-1218 - R-3	COMPONENT SUPPORT-SNUBBER	F-A	F1.20C	NDE-5711-CC	VT CC04-IV-037 Accept	045	91093	4/21/2004
Comments:	No recordable indications.								

ENCLOSURE (2)

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

2004-1 Class 1 and 2 NIS-2's Completed

MWO No	R&R Number	UEI	Xi Class
1199700129	97-1-027	1MOV658	Two
1200200636	2003-1-047a	1CKVCVC-187	One
	2003-1-047b	1#CC5-1005	One
1200200640	2003-1-048a	1CKVCVC-184	Two
	2003-1-048b	1#CC7-1009	Two
1200200641	2003-1-049a	1CKVCVC-435	One
	2003-1-049b	1#CC5-1006	One
1200202505	2002-1-049b	1HVCVC-172	Two
	2002-1-049c	1#CC7-1002	Two
1200202602	2002-1-033	1PUMPRC11B(s)	One
1200202689	2002-1-050a	1CKVCVC-171	Two
	2002-1-050b	1#CC7-1002	Two
1200202762	2002-1-051	1CV100F	One
1200203109	2003-1-046a	1CKVSI-426	Two
	2003-1-046b	1#DC2-1003	Two
1200203364	2003-1-056	1RV200	One
	2003-1-056a	1#CC10-1007	One
1200203390	2004-1-027	1PZVRX11	One
1200203521	2004-1-010	1CV4070	Two
1200203958	2003-1-032	1PUMPRC12A(s)	One
1200203966	2003-1-008	1RV201	One
	2003-1-008a	1#CC10-1008	One
1200204093	2003-1-057	1ERV404	One
	2003-1-057a	1#CC10-1004	One
1200204377	2003-1-058	1ERV402	One
	2003-1-058a	1#CC10-1003	One
1200204580	2002-1-052	1RV200	One
	2002-1-062	1#CC10-1007	One
1200204888	2002-1-060	1#CC-2, 1" & under	One
1200205233	2003-1-022b	1#CC7-1001	Two
	2003-1-022c	1HVCVC-166	Two
	2003-1-022a	1CKVCVC-165	Two
1200205235	2003-1-052c	1HVCVC-178	Two
	2003-1-052a	1CKVCVC-177	Two
	2003-1-052b	1#CC7-1003	Two
1200205240	2003-1-077	1#CC10-1003-H3	One
1200205247	2003-1-078	1#CC10-1004-H3	One
1200205332	2003-1-023b	1#CC10-1001	One
	2003-1-023a	1MOV403	One
1200205334	2003-1-024a	1MOV405	One
	2003-1-024c	1#CC10-1002-R12	One
	2003-1-024b	1#CC10-1002	One

2004-1 Class 1 and 2 NIS-2's Completed

MWO No.	R&R Number	UEI	Xf Class
1200301717	2003-1-018	1PUMPRC11B(s)	One
1200303202	2003-1-080	1ACC233X-SUP	Two
1200303410	2003-1-072	1CV648	One
1200303794	2003-1-075	1ACC233Z-SUP	Two
1200304508	2003-1-081	1HVSI-4163	Two
1200400341	2004-1-009a	1#HC7-1004	Two
	2004-1-009b	1#HC7-1004-H2/R3	Two
1200401939	2004-1-017	1#GC9-1003-R6	Two
SNUB POOL	SNUB-0-004	*Snubber Pool	1, 2, & 3

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: 5/4/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 97-1-027, MWO No. 1199700129
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970
Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped
Valve	Velan Engineering Co.	1-MOV-658	N/A	Low Pressure Safety Injection system supply to Shut Down Cooling Heat Exchangers Isolation valve	1975	Repaired/Replaced	No

7. Description of Work:

This plan was for the plugging of the leak off line and seal welding the plug on 1MOV-658, Low Pressure Safety Injection system supply to Shut Down Cooling Heat Exchangers isolation valve.

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this 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: _____



Owner or Owner's Designee, Title

Charles H. Ballard
 Engineering Technician

Date: 5/4/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 6-12-97 to 1-26-04, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Commissions: NB 9881 ANTE, MD 1171

Date: May 4 Inspector's Signature 2004

National Board, State, and Endorsements

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: 6/15/2004
 (name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-047a, MWO No. 1200200636
 (address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970
Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 335	N/A	#11 Regen. Heat Exch. to #11A RCS Cold Leg Loop Check Valve	1975	Repaired/Replaced	Yes
Check Valve	Enertech Inc.	408934 SN: 11269	N/A	Valve, Nozzle Check, 2 in., 1500 lb., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N)	2002	Replacement	Yes

7. Description of Work:

This plan was for the work needed to replace 1-CKVCVC-187, #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2355 psi. Test Temperature: 74 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.

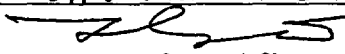
FORM NIS-2 (Back)

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: 	Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>9-29-03</u> to <u>5-20-04</u> , 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.	
<u>DONALD A. SHAPIRA FOR</u>	
<u>MR. JOHN NORRIS PER TELE-FAX</u>	Commissions: <u>NB9831, MD1171, AN71</u>
	<u>NB12779, MD1155</u>
Date: <u>6-16</u>	Inspector's Signature <u>2004</u>
	National Board, State, and Endorsements

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 MD20990 Rev. A CRN None
5. ASME Code, Section III, Division 1: 1995 1996 1 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Nozzle Check Valve Nominal Inlet size 2 Outlet size 2
(in.) (in.)
7. Material: Body SA-479 Type 316 Bonnet N/A Disk SA-479 Type 316 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board Serial No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
11256	None	KNG-001	None	KNH-001
11257	None	KNG-002	None	KNH-002
11258	None	KNG-003	None	KNH-003
11259	None	KNG-004	None	KNH-004
11260	None	KNG-005	None	KNH-005
11261	None	KNG-006	None	KNH-006
11262	None	KNG-007	None	KNH-007
11263	None	KNG-008	None	KNH-008
11264	None	KNG-009	None	KNH-009
11265	None	KNG-010	None	KNH-010
11266	None	KNG-011	None	KNH-011
11267	None	KNG-012	None	KNH-012
11268	None	KNG-013	None	KNH-013
11269	None	KNG-014	None	KNH-014
11270	None	KNG-015	None	KNH-015
11271	None	KNG-016	None	KNH-016
11272	None	KNG-017	None	KNH-017
11273	None	KNG-018	None	KNH-018

* Supplemental information 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 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.

11256 thru
11273

Certificate Holder's Serial No. _____

8. Design conditions 2800 psi 250 °F or valve pressure class 1500 (1)
(pressure) (temperature)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 18, Enertech Job Number 29345V

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 10/11/05

Date 1/15/03 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 1.15.03, 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 1.15.03 Signed [Signature] Commissions CA 1520 NB9405AN
(Authorized Inspector) (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. Date: 6/14/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-047b, MWO No. 1200200636
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: One

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"CC-5-1005	N/A	#11A Charging Line Stop Valve	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: 8324H	N/A	Pipe, 2 in., Sch. 160, ASME SA-376, Tp. 316	2000	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Flange	Energy & Process Corporation	411064 Heat Code: XXI3	N/A	Flange, 2 in., 1500 lb., Large Tongue, Weld Neck, ASME SA-182, Tp. F 316	2003	Replacement	No

7. Description of Work:

This plan was for the piping, fittings, hanger support work and fasteners needed to support the replacement of 1-CKVCVC-187, #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2355 psi. Test Temperature: 74 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.

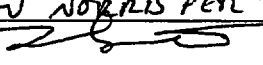
FORM NIS-2 (Back)

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: <u></u>	Charles H. Ballard Engineering Technician	Date: <u>6/14/2004</u>
Owner or Owner's Designee, Title		

Certificate of Inservice Inspection	
<p>I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>9-29-03</u> to <u>5-20-04</u>, 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.</p> <p>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.</p>	
<p><u>DONALD A. SHAPIRA FOR MR.</u> <u>JOHN NORRIS PER TELE-FAX</u> <u></u> 6-22-04</p>	<p>Commissions: <u>NB 9831, MD 1171, AN 11</u> <u>NB 12779, MD 1155</u></p> <p style="text-align: center; font-size: small;">National Board, State, and Endorsements</p>
Date: <u>6-16</u>	Inspector's Signature <u>2004</u>

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: 6/14/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-048a, MWO No. 1200200640
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 1404	N/A	#11 Regen. Heat Exchanger Inlet Check Valve (Containment Isolation)	1975	Repaired/Replaced	Yes
Check Valve	Enertech Inc.	408934 SN: 11266	N/A	Valve, Nozzle Check, 2 in., 1500 lb., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N)	2002	Replacement	Yes

7. Description of Work:

This plan was for the work and parts needed to replace 1-CKVCVC-184, #11 Regen. Heat Exchanger Inlet Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2355 psi. Test Temperature: 74 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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: 	Charles H. Ballard Engineering Technician	Date: <u>6/14/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>9-25-03</u> to <u>6-8-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. <u>JOHN NDZIRIS PER TELEFAX</u>  Date: <u>6-16</u> 200 <u>4</u>	Commissions: <u>NB9831, MD1171, AN11</u> <u>NB12779, MD1153</u> National Board, State, and Endorsements
Inspector's Signature	

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 MD20990 Rev. A CRN None
5. ASME Code, Section III, Division 1: 1985 1996 1 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Nozzle Check Valve Nominal inlet size 2 Outlet size 2
(in.) (in.)
7. Material: Body SA-479 Type 316 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.
11256	None	KNG-001	None	KNH-001
11257	None	KNG-002	None	KNH-002
11258	None	KNG-003	None	KNH-003
11259	None	KNG-004	None	KNH-004
11260	None	KNG-005	None	KNH-005
11261	None	KNG-006	None	KNH-006
11262	None	KNG-007	None	KNH-007
11263	None	KNG-008	None	KNH-008
11264	None	KNG-009	None	KNH-009
11265	None	KNG-010	None	KNH-010
11266	None	KNG-011	None	KNH-011
11267	None	KNG-012	None	KNH-012
11268	None	KNG-013	None	KNH-013
11269	None	KNG-014	None	KNH-014
11270	None	KNG-015	None	KNH-015
11271	None	KNG-016	None	KNH-016
11272	None	KNG-017	None	KNH-017
11273	None	KNG-018	None	KNH-018

* Supplemental information 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 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.

11256 thru
11273

Certificate Holder's Serial No. _____

8. Design conditions 2800 (pressure) psi 250 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 18, Enertech Job Number 29345V

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 10/11/05

Date 1/15/03 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 1.15.03, 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 1.15.03 Signed [Signature] Commissions CA 1520 NB 9495 AN
(Authorized Inspector) (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. Date: 6/14/2004
 (name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-048b, MWO No. 1200200640
 (address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
 (address) Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2" CC-7-1009	N/A	Charging Pumps discharge piping to Containment Penetration #28.	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: 8324H	N/A	Pipe, 2 in., Sch. 160, ASME SA-376, Tp. 316	2000	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Flange	DuBose National Energy Services Inc.	409374 Ht. Code: BHZ	N/A	Flange, 2 in., 1500 lb., Large Tongue, Socketweld, ASME SA-182, Gr. F316	2003	Replacement	No

7. Description of Work:

This plan was for the piping, fittings, hanger support work and fasteners needed to support the replacement of 1-CKVCVC-184, #11 Regen. Heat Exchanger Inlet Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2355 psi. Test Temperature: 74 Deg. F

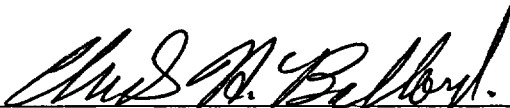
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

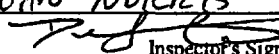
FORM NIS-2 (Back)

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-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: <u></u>	Charles H. Ballard Engineering Technician	Date: <u>6/14/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>9-25-03</u> to <u>6-8-04</u> , 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.	
<u>DONALD A. SHAPIRA FOR MR. JOHN NORRIS</u> <u></u> Inspector's Signature	Commissions: <u>NB 9831, MD1171, AN11</u> <u>NB 12779, MD1155</u> National Board, State, and Endorsements
Date: <u>6-16</u> 200 <u>4</u>	

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-049a, MWO No. 1200200641
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 4248	N/A	#11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve	1975	Repaired/Replaced	Yes
Check Valve	Enertech Inc.	408934 SN: 11270	N/A	Valve, Nozzle Check, 2 In., 1500 lb., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N)	2002	Replacement	Yes

7. Description of Work:

This plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2355 psi. Test Temperature: 74 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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FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached .

Certificate of Compliance

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

Repair/Replacement

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

Signed:  Charles H. Ballard
Owner or Owner's Designee, Title Engineering Technician Date: 6/16/2004

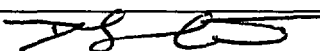
Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 11-11-03 to 6-11-04, 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.

DONALD A. SHAPINA FOR MR.

JOHN NORRIS

 6-21-04

Commissions: NB 9831, MD 1171, AN11
NB 12779, MD 1155

Date: 6-17 Inspector's Signature
2004

National Board, State, and Endorsements

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 MD20990 Rev. A CRN None
6. ASME Code, Section III, Division 1: 1995 1996 1 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Nozzle Check Valve Nominal Inlet size 2 Outlet size 2
(in.) (in.)
7. Material: Body SA-479 Type 316 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.
11256	None	KNG-001	None	KNH-001
11257	None	KNG-002	None	KNH-002
11258	None	KNG-003	None	KNH-003
11259	None	KNG-004	None	KNH-004
11260	None	KNG-005	None	KNH-005
11261	None	KNG-006	None	KNH-006
11262	None	KNG-007	None	KNH-007
11263	None	KNG-008	None	KNH-008
11264	None	KNG-009	None	KNH-009
11265	None	KNG-010	None	KNH-010
11266	None	KNG-011	None	KNH-011
11267	None	KNG-012	None	KNH-012
11268	None	KNG-013	None	KNH-013
11269	None	KNG-014	None	KNH-014
11270	None	KNG-015	None	KNH-015
11271	None	KNG-016	None	KNH-016
11272	None	KNG-017	None	KNH-017
11273	None	KNG-018	None	KNH-018

* Supplemental information 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 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. _____

8. Design conditions 2800 (pressure) psi 250 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 18, Enertech Job Number 29345V

CERTIFICATION OF DESIGN

Design Specification certified by John R. Sponsei, 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 10/11/05

Date 1/15/03 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 1.15.03, 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 1.15.03 Signed [Signature] Commissions CA-1520 NB9435AN
 (Authorized Inspector) (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 by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
 (name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 3
 (address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One
 (name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-049b, MWO No. 1200200641
 (address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"CC-5-1006	N/A	#11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass piping	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: 8324E	N/A	Pipe, 2 in., Sch. 160, ASME SA-376, Tp. 316	2000	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Flange	Energy & Process Corporation	411064 Heat Code: XX13	N/A	Flange, 2 in., 1500 lb., Large Tongue, Weld Neck, ASME SA-182, Tp. F 316	2003	Replacement	No
Reducing Tee	Energy & Process Corporation	411064 Ht.#: 70802	N/A	Tee, Reducing, 2 in. X 3/4 in., Sch.160, butt weld, ASME SA-403, Gr. WP316	2003	Replacement	No
Plate	Energy Steel & Supply Co.	402572 Ht.#: 832N34270	N/A	Plate, Steel 1/4 in. X 48 in. X 96 in., ASME SA-36	2001	Replacement	No
Pipe	Tioga Pipe Supply Co. Inc.	402564 Ht.#: L42618	N/A	Pipe, 3/4 in. Sch. 160, ASME SA-376, Tp. 316	2001	Replacement	No

7. Description of Work:

This plan was for the piping, fittings, hanger support work and fasteners needed to support the replacement of 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve.

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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FORM NIS-2 (Back)

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2355 psi. Test Temperature: 74 Deg. F

9. Remarks:

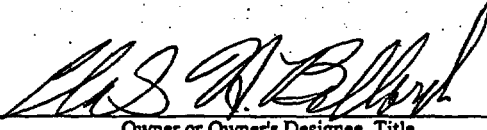
A Section XI VT-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements. A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service. A Section XI Surface Examination of the affected component was performed to satisfy Section XI Pre-Service Requirements. Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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


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

Signed:  Charles H. Ballard
Engineering Technician Date: 6/16/2004
 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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 11-13-03 to 6-11-04, 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.

DONALD A. SHAPIRA FOR MR.
JOHN NUZIRIS Commissions: NB 9831, MD 1171, AN11
NB 12779, MD 1155
 6-21-04 National Board, State, and Endorsements
 Date: 6-17 Inspector's Signature 2004

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: 01/30/2003
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-049b, MWO No. 1200202505
(address) (P.O. no., job no., etc.)

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

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

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 Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.		N/A	#12 Charging Pump Discharge Isolation Valve	1975	Repaired/Replaced	Yes
Gate Valve	Velan Engineering Co.	90585-GX SN: 951075-1	N/A	Valve, Gate, 2 in. 1690 lb.; ASME SA-182 Tp. F316	1994	Replacement	Yes

7. Description of Work:
 This plan was for the replacement of 1-HVCVC-172, #12 Charging Pump Discharge Isolation Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2300 psi. Test Temperature: 118 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. Additional 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
 Owner or Owner's Designee, Title Engineering Technician Date: 01/30/2003

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 10/4/02 to 2/20/03, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: PA 2056 AB IN NS, md 537
 Inspector's Signature National Board, State, and Endorsements

Date: 2/20 2003

1. Manufactured and certified by VELAN INC. 2125 WARD AVE. MTL. CANADA
(name and address of N Certificate Holder)
2. Manufactured for BALTIMORE GAS & ELECTRIC P.O. BOX 1472 BALTIMORE, MD. 21203
(name and address of purchaser)
3. Location of installation CALVERT CLIFFS NUCLEAR PLANT NORTH OF LOSEY, MD. 20657
(name and address)
4. Model No., Series No., or Type: GATE Drawing P1-76800-N22 Rev F CRN N/A
5. ASME Code, Section III, Division 1: 1989 NONE 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)
7. Material: Body SA-182.F316 Bonnet SA-182.F316 Disk SA-351.CF8M Bolting SA-564.630
SA-194.8M

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
951075-1 951075-2 *****	N/A	H/C: B-EH " *****	H/C: ADU " *****	H/C: 03R 91J *****

Supplemental information 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 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. 951075

8. Design conditions 4055 psi 100 °F or valve pressure class 1690 (1)
(pressure) (temperature)
9. Cold working pressure 4055 psi at 100°F
10. Hydrostatic test 6350 psi. Disk differential test pressure 4650 psi
11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

Design Specification certified by J.M. FARREL P.E. State QUE Reg. no. 30039
 Design report certified by S. ISBITSKY P.E. State QUE Reg. no. 22115

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-2797-1 Expires MAY 2, 95

Date Feb. 26-92 Name VELAN INC. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by PROVINCE of QUEBEC have inspected the pump, or valve, described in this Data Report on 28-07-28, 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 26-02-28 signed [Signature] Commissions _____
Authorized Inspector (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

RAYMOND LAUZON (11)
 RÉGIE DU BÂTIMENT DU QUÉBEC

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: 01/30/2003
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 3
(address)

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-049c, MWO No. 1200202505
(address) (P.O. no., job no., etc.)

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

4. Identification of System: System Number 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 1998 Edition

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	N/A	N/A	#12 Charging Pump Discharge Piping	1975	Repaired/Replaced	No
Pipe	Consolidated Power Supply	20439 Heat# 447 / XBJ	N/A	Pipe, 2 in. Sch. 160, ASME SA-376 Tp. 316	1998	Replacement	No
Reducer Insert	Ladish Co.	F-8588 Heat Code: D6MC HI	N/A	Reducer, Insert, 2 in. X 3/4 in., ASME SA-182, Gr. F316, Socketweld, 6000 lb.	1973	Replacement	No
Tee	DuBose National Energy Services Inc.	54906-GX Heat Code: BV	N/A	Tee, 2 in., 6000 lb., ASME SA-182, Tp. F316, Socket Weld	1992	Replacement	No
Pipe Strap	Anvil International Inc. (Grinnell Pipe Supports)	34757	N/A	Strap, Pipe Guide, 2 in., Part# 2 of PG-44 on Drwg.# FSK-MF-0571SH 0005 & 6	1999	Replacement	No
Elbow	Consolidated Power Supply	408879 Heat Code: MA	N/A	Elbow, Pipe, 2 in., 45 Deg., 6000 lb., Socketweld, ASME SA-182, Gr. F316	2002	Replacement	No

7. Description of Work:

This plan was for the use of the parts listed herein to support the replacement of 1-HVCVC-172, #12 Charging Pump Discharge Isolation Valve. This plan also covers any work on supports/hangers needed to support this work.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2300 psi. Test Temperature: 118 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. Additional 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
 Owner or Owner's Designee, Title Engineering Technician Date: 01/30/2003

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 10/4/02 to 2/20/03, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: PA 2056 A B I U N S Md 537
 Inspector's Signature National Board, State, and Endorsements

Date: 200

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: 08/04/2003
 (name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-033, MWO No. 1200202602
 (address) (P.O. no., job no., etc.)

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

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	SN: 1C870	NB 1290	#11B Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	1199901394 SN: 1C864	N/A	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	1999	Replacement	Yes

7. Description of Work:

This plan was for the replacement of the mechanical seal on #11B Reactor Coolant Pump

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2250 psi. Test Temperature: 528 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* Charles H. Ballard Date: 08/04/2003
Owner of Owner's Designee, Title Engineering Technician

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 7/30/02 to 12/16/02, 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.

Rickey L. Bryan Commissions: Nat/Bd 8150 ABIN # 1161 ^{MD}
Inspector's Signature National Board, State, and Endorsements
 Date: 8/5 2003

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: 12/03/2003
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-050a, MWO No. 1200202689
(address) (P.O. no., job no., etc.)

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

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

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 Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-CKVCVC-171	N/A	#12 Charging Pump Discharge Check Valve	1975	Repaired/Replaced	Yes
Check Valve	Velan Engineering Co.	90585-GX SN: 951037-1	N/A	Valve, Check, 2 in., 2680 lb., Socketweld, SA-182, Tp F316, BGE Dwg 12968-0138	1994	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-CKVCVC-171, #12 Charging Pump Discharge Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2320 psi. Test Temperature: 112 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-416-1 was invoked to satisfy Section XI required pressure tests. Additional 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.

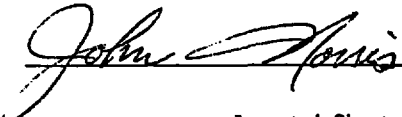
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 12/03/2003

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period _____ to _____, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: NB9831 AWT MD 1171
 Date: Dec. 3 Inspector's Signature 2003 National Board, State, and Endorsements

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES *
 As Required by ASME B31.1-1984

1. Manufactured and certified by VELAN INC. 2125 WARD AVE, MTL, CANADA
(name and address of N Certificate Holder)
2. Manufactured for BALTIMORE GAS & ELECTRIC P.O. BOX 1472 BALTIMORE, MD. 21203
(name and address of purchaser)
3. Location of installation CALVERT CLIFFS NUCLEAR PLANT NORTH OF LUSBY, MD. 20657
(name and address)
4. Model No., Series No., or Type: PS.CHECK Drawing P1-76800-N28 Rev D CRN N/A
5. ASME Code, Section III, Division 1: 1989 NONE 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)
7. Material: Body SA-182, F316 Bonnet SA-182, F316 Disk COLMONOY 4 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.
<u>951037-1</u>	<u>N/A</u>	<u>H/C: CH</u>	<u>H/C: 1ARA</u>	<u>H/C: 2072</u>
<u>951037-2</u>		<u>"</u>	<u>"</u>	<u>"</u>
<u>951037-3</u>		<u>"</u>	<u>"</u>	<u>"</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>

Supplemental information 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 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. 951037

- 8. Design conditions 6430 psi 100 °F or valve pressure class 2680 (1)
(pressure) (temperature)
- 9. Cold working pressure 6430 psi at 100°F
- 10. Hydrostatic test 10050 psi. Disk differential test pressure 7375 psi
- 11. Remarks: MATERIALS MEET ASME SECTION II EDITION; 1989 ADDENDA; NONE

CERTIFICATE OF DESIGN

Design Specification certified by J.M. FARREL P.E. State QUE Reg. no. 30039
 Design report certified by S. ISBITSKY P.E. State QUE Reg. no. 22115

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-2797-1 Expires MAY 2, 98

Date MAY 26 1995 Name VELAN INC. Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by PROVINCE of QUEBEC have inspected the pump, or valve, described in this Data Report on 24-10-9, 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 95-05-26 signed [Signature] Commissions 11
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

RAYMOND LAUZON
 REGIE DU BATIMENT DU QUEBEC

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: 11/06/2003
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-050b, MWO No. 1200202689
(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: Two
(address)

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 1998 Edition

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2" CC-7-1002	N/A	#12 Charging Pump Discharge Piping	1975	Repaired/Replaced	No
Pipe	Consolidated Power Supply	20439 Heat# 447	N/A	Pipe, 2 in., Sch. 160, ASME SA-376, Tp. 316	1998	Replacement	No
Tee	DuBose National Energy Services Inc.	54906-GX Heat Code: BV	N/A	Tee, 2 in., 6000 lb., ASME SA-182, Tp. F316, Socket Weld	1992	Replacement	No
Insert Reducer	Ladish Co.	F-8588 Heat Code: D6MC H1	N/A	Reducer, Insert, 2 in. X 3/4 in., 6000 lb., Socketweld, ASME SA-182, Gr. F316	1973	Replacement	No

7. Description of Work:

This plan was for the use of the parts listed herein to support the replacement of 1-CKVCVC-171, #12 Charging Pump Discharge Check Valve. This plan also covered work on supports/hangers needed to support this work.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2320 psi. Test Temperature: 112 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.

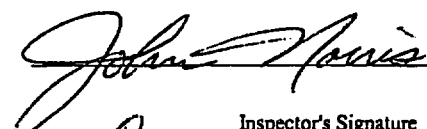
FORM NIS-2 (Back)

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-416-1 was invoked to satisfy Section XI required pressure tests. Additional 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 <u>Repair/Replacement</u> conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>		
Signed:	 Charles H. Ballard Engineering Technician	Date: <u>11/06/2003</u>
	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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period _____ to _____, 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: <u>NB 9831 AWT MD 1171</u> National Board, State, and Endorsements
Date: <u>Dec 3</u> 200 <u>3</u>	

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: 10/3/2003
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-051, MWO No. 1200202762
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10
 (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen (Yes or No)	ASME Code Stamped
Valve	ITT Hammel Dahl	69-4126-002	N/A	# 11B Pressurizer Spray Control Valve	1975	Repaired/Replaced	No
Bonnet	Flowserve Corporation	400322 SN; D909A-1-1	N/A	Bonnet, Bellows, 3 in. 1500 lb. ITT Hammel-Dahl Angle Valve, Drwg. #12121-0006, Item #2	2000	Replacement	No
Pipe Cap	DuBose National Energy Services Inc.	10486-GX Heat Code: HTK	N/A	Cap, Pipe, 1/2 in., 3000 lb. SW, ASME SA-182, Tp. 316	1996	Replacement	No
Plug	Neles Jamesbury	56479-GX SN: R1613-1	N/A	Plug for 3 in. 1500 lb. ITT Hammel-Dahl Angle Valve, Drwg. #12121-0006, Item #6	1991	Replacement	No

7. Description of Work:

This plan was for the rebuilding and replacement of the Bonnet and Plug on 1-CV-100F, which is #11B Pressurizer Spray Control Valve.

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 Surface Examination of the affected component was performed to satisfy Section XI Pre-Service 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
 Owner or Owner's Designee, Title Engineering Technician Date: 10/3/2003

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 11-11-02 to 11-15-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: NB 7883, MD 1166 - ABN15
 Inspector's Signature National Board, State, and Endorsements
 Date: DEC 16, 2003

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-046a, MWO No. 1200203109
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-CKVSI-426	N/A	#13 High Pressure Safety Injection Pump Mini Flow Check Valve	1975	Repaired/Replaced	No
Check Valve	Enertech Inc.	411160 SN: 11318	N/A	Valve, Nozzle Check, 2 in., 1500 lb., Enertech KRV, Body SA-479, Tp. 316, Disc SA-564, Tp. 630/H1075	2004	Replacement	Yes

7. Description of Work:

This plan was for the work needed to replace 1-CKVSI-426, #13 High Pressure Safety Injection Pump Mini Flow Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 1310 psi. Test Temperature: 82 Deg. F

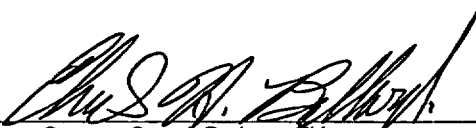
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance	
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.	<u>Repair/Replacement</u>
Type Code Symbol Stamp: <u>N/A</u>	
Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>	
Signed: _____	 Charles H. Ballard Engineering Technician
	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>2-23-04</u> to <u>5-4-04</u> , 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.	
DONALD A. SHAPIRA FOMR MR. JOHN NORRIS PER TELE-FAX _____	
Date: <u>6-16</u>	Commissions: <u>NB 9831, MD 1171, AN 11</u> <u>NB 12779, MD 1155</u>
Inspector's Signature 200	National Board, State, and Endorsements

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 MD21083 Rev. A CRN None
5. ASME Code, Section III, Division 1: 1995 1996 2 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Nozzle Check Valve Nominal Inlet size 2 Outlet size 2
(in.) (in.)
7. Material: Body SA-479 Type 316 Bonnet N/A Disk SA-564 Type 630 H1075 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.
11311	None	KTV-3327	None	KTW-3335
11312	None	KTV-3328	None	KTW-3336
11313	None	KTV-3329	None	KTW-3337
11314	None	KTV-3330	None	KTW-3338
11315	None	KTV-3331	None	KTW-3339
11316	None	KTV-3332	None	KTW-3340
11317	None	KTV-3333	None	KTW-3341
11318	None	KTV-3334	None	KTW-3342

*Supplemental information 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 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.

11311 thru
11318

Certificate Holder's Serial No. _____

8. Design conditions 1600 psi 350 °F or valve pressure class 1500 (1)
(pressure) (temperature)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure N/A psi

11. Remarks: Qty: 8, Enertech Project Number 810048

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 10/11/05

Date 1/29/04 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed Paul Entwistle
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT

of Connecticut have inspected the pump, or valve, described in this Data Report on 1-29-04, 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 1/29/04 Signed William Commissions LA1494
(Authorized Inspector) (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 by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-046b, MWO No. 1200203109
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Stamped	ASME Code (Yes or No)
Piping System	Bechtel	2"DC-2-1003	N/A	#13 High Pressure Safety Injection Pump Mini Flow Recirc. to Refueling Water Tank	1975	Repaired/Replaced	No
Pipe	Albert Pipe Supply Co. Inc.	F-5630 Ht.#: 496481	N/A	Pipe, 2 in., Sch. 80, ASME SA-376, Tp. 304	1970	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Flange	DuBose National Energy Services Inc.	411588 Ht.#:31438 Code: BQL	N/A	Flange, 2 in., 1500 lb., Raised Face, Socketweld, ASME SA-182, Gr. F316	2003	Replacement	No
Nut	Mackson Inc.	400066 Heat Code: JKK	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2000	Replacement	No

7. Description of Work:

This plan was for the piping, fittings, hanger support work and fasteners needed to support the replacement of 1-CKVSI-426, #13 High Pressure Safety Injection Pump Mini Flow Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 1310 psi. Test Temperature: 82 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-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Req. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement

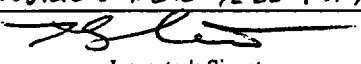
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard Date: 6/15/2004
Owner or Owner's Designee, Title Engineering Technician

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-23-04 to 5-4-04, 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.

DONALD A. SHAPIZA FOR MR. JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD 1171, AN11
 NB 12774, MD 1155
Inspector's Signature National Board, State, and Endorsements
 Date: 6-16 2004

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: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-056, MWO No. 1200203364
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases N-2, N-10

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BM-07953	N/A	Unit One Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Nozzle	Consumer Power Co. (Midland Plant Project)	06045-GX AAA26	N/A	Nozzle, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 4231701N, ASME SA-182 Gr. F347	1987	Replacement	Yes
Relief Valve	Dresser Industries Inc.	411829 SN: BN-04373	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 200 location.	2004	Replacement	Yes
Disc	Dresser Industries Inc.	409135 SN: ACP51 ^{ADK59 6-16-04}	N/A	Disc, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 1840404N, ASME SB-637 Gr. 688	2003	Replacement	Yes
Relief Valve	Consumer Power Co. (Midland Plant Project)	06045-GX AAA19	N/A	Cannibalized pressurizer relief valve, S/N BN 04376	1987	Replacement	Yes

7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-200.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 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.

0568

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

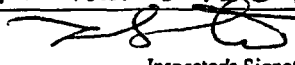
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/15/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-30-04 to 6-11-04, 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.

DONALD A. SHAPIRA FOR MR.
JOHN MORRIS PER TELE-FAX Commissions: NB 9831, MD1171, AN11
 6-22-04 NB 12779, MD 1155
 Date: 6-17 Inspector's Signature 2004 National Board, State, and Endorsements

OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ Us Hwy 167 N 411829/408989
(name of organization) (P.O. no., job no., etc)
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(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 Baltimore Gas & Electric Co. Calvert Cliffs Nuclear Station
1650 Calvert Cliffs Parkway Lusby, Maryland 20657
(address)

5. a: Repaired pressure relief device: Safety Valve
 b: Name of manufacturer Same as item 1 above
 c: Identifying nos. 31739A BN-04373 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 1968 Winter 1968 W 1968 Art. 9 A
(name/section/division) (edition) (addenda) (Code case(s)) (Code Class)

6. ASME Code Section XI applicable for in service inspection: 1998 NO NONE
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1998 NO NONE
(edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1968 W 1968 Art. 9 NONE
(edition) (addenda) (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 Using Steam
(location) (test medium)

11. Description of work: (include name and identifying number of replacement parts) Valve Was Disassembled, Inspected, Repaired Assembled, & Tested. Parts Replaced : Base P/N 1861505NC2015,S/N AAA-19; Nozzle P/N 1844806OS278,S/N AAA26; Bellows P/N 1840801N, S/N 2872/2-2; Disc P/N 1840404N, S/N ADK-59; Guide/Support Plate Gaskets P/N 3831018N, Cotter Pins P/N 2220219, & Adj. Ring Pin Gaskets P/N 3610508.

12. Remarks: Base was modified on owner's purchase order 411554, Dresser order no. 31-52548-0.

CERTIFICATE OF INSPECTION

I, R.W. GROENER, 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 6-29-2004

National Board Certificate of Authorization No. NR-45 to use the "NR" stamp expires 6-30-2005

Date 3/29/04 Same as Item 1 above. Signed R.W. Groener Quality Engineer
(name of certificate holder) (authorized representative) (title)

CERTIFICATE OF INSPECTION

I, B.C. DOSTER, 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 3/26/04 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 3/29/04 Signed B.C. Doster Commissions NORTH A'N' LAGGE
(National Board (incl. endorsements), and jurisdiction, and no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)

2. Manufactured for Calvert Cliffs Nuclear Power Plant P.O. Box 17323 820 G & E Building Baltimore Md 21297-1323
(name and address of purchaser)

3. Location of installation Calvert Cliffs Nuclear Plant, 1650 Calvert Cliffs Parkway Lusby Md 20657
(name and address)

4. Type OS417 SB637 (Inconel X-750) 170 KSI N/A 2003
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code Section III, Division 1: 1968 Winter 1968 1 N/A
(edition) (addenda date) (class) (Code Case no.)

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

7. Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Norm. 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) <u>ADK59</u>	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(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)	
(48)	
(49)	
(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 4500 PSIG at temp. °F

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

Certificate Holder's Serial Nos. ADK59 and _____

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 3/3/03 Name SEE LINE 1 Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by H. S. B. I. & I. Co. of HARTFORD, CT. have inspected these items described in this Data Report on 3/10/03 , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/10/03 Signed [Signature] Commissions [Signature]
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM HV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR SAFETY AND SAFETY RELIEF VALVES*
(AS REQUIRED BY THE PROVISIONS OF THE ASME CODE, SECTION III, DIV. 1)

1. MANUFACTURED BY DRESSER INDUSTRIAL VALVE & INSTR. DIV. HIGHWAY 71 NORTH ALEXANDRIA, LOUISIANA
(NAME AND ADDRESS OF N CERTIFICATE HOLDER)

2. MANUFACTURED FOR Babcock & Wilcox Pwr.Gen.Div., P.O.Box 1260, Lynchburg, Va. 24505
(NAME AND ADDRESS OF PURCHASER OR OWNER)

3. LOCATION OF INSTALLATION Consumers Power Co., Midland Unit 1, Midland, Mich.
(NAME AND ADDRESS)

4. 4CP-2432 258 1978
(CRN) (DRAWING NO.) (NAT'L BRD.NO.) (YEAR BUILT)

5. VALVE 2½" 31739A-1-X2-OS278 IDENTIFYING NOS. BNO4376
(MODEL NO., SERIES NO.) (N CERTIFICATE HOLDERS' SERIAL NO.)

TYPE Safety CLASS I
(SAFETY, SAFETY RELIEF; PILOT; POWER ACTUATED)

ORIFICE SIZE 1.800 NOMINAL INLET SIZE 2½" OUTLET SIZE 6"
INCH INCH INCH

6. SET PRESSURE (PSIG) 2500 RATED TEMPERATURE 670 °F
STAMPED CAPACITY 297,845 LBS/HR. @ 3 % OVERPRESSURE BLOWDOWN (PSIG) 125
SAT. STEAM

HYDROSTATIC TEST (PSIG) INLET 3750 PSIG OUTLET 1050 PSIG
(APPLICABLE TO VALVES FOR CLOSED SYSTEMS ONLY)

7. PRESSURE RETAINING PIECES

	SERIAL NO. OR IDENTIFICATION	MATERIAL SPECIFICATION INCL. TYPE OR GRADE
BODY	B/A/AAA19	SA-182 Gr. F316
BONNET EXTERIOR	B/AR/AAA40	SA105
SUPPORT RODS		
NOZZLE	R/D/AAA26	SA-182 Gr. F-347
DISC	R/E/AAR09	SA-637 Gr. 688
SPRING WASHERS	15023	SA-105
ADJUSTING SCREW	M6356B	SB-164 Class A
SPINDLE	C17887	SA-479 Gr. 347
SPRING	AH210	AISI H21
BOLTING	DC-34	SA 193 Gr. B7
OTHER PIECES		
Outlet Flange	79207	SA-182 Gr. F316
Bonnet Nuts	DC35	SA-194 Gr. 2H

*SUPPLEMENT SHEETS IN FORM OF LISTS, SKETCHES OR DRAWINGS MAY BE USED PROVIDED (1) SIZE IS 8-1/2" X 11" (2) INFORMATION IN ITEMS 1-2 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.

FOR INFORMATION ONLY

FORM NV-1 (BACK)

CERTIFICATE OF COMPLIANCE

WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THAT THIS VALVE CONFORMS TO THE RULES OF CONSTRUCTION OF THE ASME CODE FOR NUCLEAR POWER PLANT COMPONENTS, SECTION III, DIV. I, 1971 EDITION, ADDENDA Summer 1972, CODE CASE NO. N/A

DATE 1-26-78 SIGNED Dresser IVID BY [Signature]
 (DATE) (N CERTIFICATE HOLDER) Principal Quality Assurance Engineer

OUR ASME CERTIFICATE OF AUTHORIZATION NO. N-1747 TO USE THE NV
 SYMBOL EXPIRES May 20, 1980 (NV)
 (DATE)

CERTIFICATION OF DESIGN

DESIGN INFORMATION ON FILE AT Dresser Plant, Alexandria, La.
 STRESS ANALYSIS REPORT (CLASS I ONLY) ON FILE AT Dresser Plant, Alexandria, La.

DESIGN SPECIFICATIONS CERTIFIED BY John W. Merchant
 PE STATE Virginia REG. NO. 4418

STRESS REPORT CERTIFIED BY Y.S. Lai
 PE STATE Louisiana REG. NO. 14105

¹SIGNATURE NOT REQUIRED-LIST NAME ONLY

CERTIFICATE OF SHOP INSPECTION

I, THE UNDERSIGNED, HOLDING A VALID COMMISSION ISSUED BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS AND THE STATE OR PROVINCE OF LOUISIANA AND EMPLOYED BY THE HARTFORD STEAM BOILER I. S. I. COMPANY OF HARTFORD, CONN., HAVE INSPECTED THE PUMP, OR VALVE, DESCRIBED IN THIS DATA REPORT ON 1-26 19 78, AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE N CERTIFICATE HOLDER HAS CONSTRUCTED THIS PUMP, OR VALVE, IN ACCORDANCE WITH THE ASME CODE FOR NUCLEAR POWER PLANT COMPONENTS.

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 1-26-78
 SIGNED Joe T. Lewis COMMISSIONS National Board No. 7876
 (INSPECTOR) (NAT'L. BO. STATE 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. Date: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-056a, MWO No. 1200203364
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2 1/2"CC-10-1007	N/A	#11 Pressurizer Piping to Safety Relief Valve 1-RV-200	1975	Repaired/Replaced	No
Nut	Mackson Inc.	409779 Heat Code: AGM	N/A	Nut, Heavy Hex, 1 1/8 in. X 8 TPI, ASME SA-194 Gr. 7	2003	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthread, 1 1/8 in. X 8 TPI, ASME SA-193 Gr. B7	1999	Replacement	No

7. Description of Work:

This plan was for the replacement of pressure retaining fastener materials to assist in the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-200.

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:

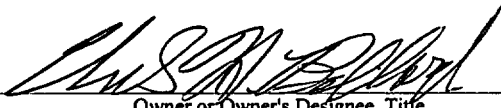
A Section XI VT-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements.

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

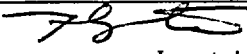
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard Date: 6/15/2004
 Owner or Owner's Designee, Title Engineering Technician

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-30-04 to 6-11-04, 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.

DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD 1171, A111
 6-22-04 NB 12779, MD 1155
 Date: 6-17 Inspector's Signature National Board, State, and Endorsements
2004

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/18/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2004-1-027, MWO No. 1200203390
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Win. 1967 Add; Class A
CCases: 1335-2, 1336, 1359-1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	Vessel SN: 67107; Head SN: 67207	20911	Unit #1 Reactor Vessel and Head	1971	Repaired/Replaced	Yes
ICI Flange	ABB Combustion Engineering	95991-GX SN: 94-0855	N/A	Flange, 5 in., 2500 lb., Large Tongue, Blind with 6 holes for ICI's, ASTM A-182, Gr.F321	1994	Replacement	No
Plug	BGE CCNPP Shops	0200101511 SN: 011, 012 & 013	N/A	Plug, Incore Detection Seal, Dwg. 12148-03, ASTM-A276, Ty316 SS	2001	Replacement	No

7. Description of Work:

This plan was for the installation of dummy stainless steel ICI plugs and a new In Core Instrumentation Flange on Unit #1 Reactor Vessel at the #4 ICI penetration.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 Deg. F

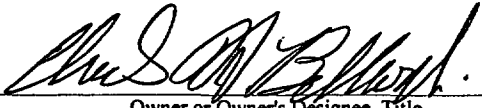
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

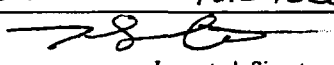
FORM NIS-2 (Back)

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>		
Signed:	 Charles H. Ballard Engineering Technician	Date: <u>6/18/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>4-24-04</u> to <u>5-10-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. <u>MARVIN COATS PER TELE-FAX</u>  6-22-04	Commissions: <u>NB 9292, MD. 1165</u> <u>NB 12779, MD 1155</u> National Board, State, and Endorsements
Date: <u>6-22-04</u> 200 <u>4</u>	
Inspector's Signature	

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: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2004-1-010, MWO No. 1200203521
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1977 Edition, Win. 1979 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Fisher Controls	8252433-436	N/A	#11 Steam Generator Auxiliary Feed Water Pump Steam Supply Control Valve	1980	Repaired/Replaced	Yes
Plug, Primary	Fisher Controls Intl., Inc.	76678-GX SN: LB3717-1	N/A	Plug, Primary, 6 in. Control Valve, ASME SA-479, Gr. 316L / Stellite, BGEDRWG #12290-0018, Item 67	1992	Replacement	Yes

7. Description of Work:

This plan was for the work and part needed to rebuild 1-CV-4070, #11 Steam Generator Auxiliary Feed Water Pump Steam Supply Control Valve.

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


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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: _____	 Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>2-12-04</u> to <u>5-8-04</u> , 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.	
_____ FOR MR. JOHN NORRIS PER TELE-FAX <u>6-14-2004</u>	_____ Commissions: <u>NB 9831, MD 1171, AN 11</u> <u>NB 12779, MD 1153</u> National Board, State, and Endorsements
Date: <u>6-14-</u>	Inspector's Signature <u>2004</u>

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

1. Manufactured and certified by FISHER CONTROLS INT'L INC, MARSHALLTOWN, IOWA 50158
(name and address of NPT Certificate Holder)
2. Manufactured for Baltimore Gas & Electric Co., Box 1535, Baltimore, Md. 21203
(name and address of purchaser)
3. Location of installation Calvert Cliffs Nuclear Station, Lusby, Md. 20657
(name and address)
4. Type 34A2071 Rev G SA-479-S31603 70.0 KSI N/A 1993
(drawing no.) (mat. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1977 Winter 1979 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: _____

PARTS ARE FOR VALVE S/N 8252433-436

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 Heat Number	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>LB3717-1</u>	<u>31333-1</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 1000 psi. Temp. 580 °F. Hydro. test pressure N/A at temp. °F
(when applicable)

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

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATION OF DESIGN

Design specifications certified by Robert F. Ash P.E. State Md. Reg. no. 9198
(when applicable)

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

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. 1930 Expires 11-18-95

Date 7-1-93 Name FISHER CONTROLS INT'L INC Signed *David J. Perry*
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP INSPECTION

I am a duly licensed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MD and employed by HARTFORD S.B.I & I CO.

of HARTFORD, CONN have inspected these items described in this Data Report on 7-2-93, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. 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 7-2-93 Signed *Kent Cook* Commissions *P22 IA.*
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-032, MWO No. 1200203958
(address) (P.O. no., job no., etc.)

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

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	SN: 1C869	NB 1294	#12A Reactor Coolant Pump Mechanical Seal	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	1200202602 SN: 1C870	NB 1290	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2003	Replacement	Yes

7. Description of Work:

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

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 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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FORM NIS-2 (Back)

9. Remarks:


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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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


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

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/17/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 6-25-03 to 6-11-04, 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.

DONALD A. SHAPIRA FOR MR.
JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD1171, AN11
 NB 12779, MD1153
 Date: 6-18 Inspector's Signature 2004 National Board, State, and Endorsements

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: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-008, MWO No. 1200203966
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases N-2, N-10

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BM-07952	N/A	Unit One Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Nozzle	Dresser Industries Inc.	86592-GX SN: AAB60	N/A	Nozzle, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 4231701N, ASME SA-182 Gr. F347	1987	Replacement	Yes
Relief Valve	Dresser Industries Inc.	404679 SN: BM-07948	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 201 location.	2002	Replacement	Yes
Disc	Dresser Industries Inc.	95597-GX SN: ACM73	N/A	Disc, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 1840404N, ASME SB-637 Gr. 688	1995	Replacement	Yes

7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-201.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 Deg. F

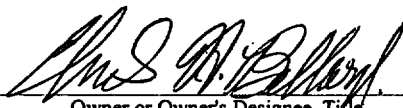
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

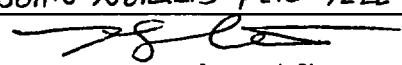
FORM NIS-2 (Back)

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>		
Signed:	 Owner or Owner's Designee, Title	Charles H. Ballard Engineering Technician Date: <u>6/15/2004</u>

Certificate of Inservice Inspection	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>11-21-03</u> to <u>6-10-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELE-FAX Commissions: <u>NB 9831, MD1171, AN11</u>  <u>NB 12779, MD1155</u>	
Date: <u>6-16</u>	Inspector's Signature National Board, State, and Endorsements 2004



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

Dresser Industries, Inc., Dresser Valve & Controls Div. Industrial Valve Operations

1. Manufactured and certified by 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 SB637 Inconel X750 N/A N/A 1995
(Drawing No.) (Mat'l. Spec. No.) (Tensile Strength) (CRN) (Year Built)
5. ASME Code, Section III: 1968 Winter 1968 A Article 9 N/A
(Edition) (Addenda) (Class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: 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)	
(22)	
(23)	
(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)	
(48)	
(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 8 1/2 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 LA 664
(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. Date: 6/15/2004
 (name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-008a, MWO No. 1200203966
 (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: One
 (address)

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2 1/2"CC-10-1008	N/A	#11 Pressurizer Piping to Safety Relief Valve 1-RV-201	1975	Repaired/Replaced	No
Nut	Mackson Inc.	409779 Heat Code: AGM	N/A	Nut, Heavy Hex, 1 1/8 in. X 8 TPI, ASME SA-194 Gr. 7	2003	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthread, 1 1/8 in. X 8 TPI, ASME SA-193 Gr. B7	1999	Replacement	No

7. Description of Work:

This plan was for the replacement of pressure retaining fastener materials to assist in the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-201.

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

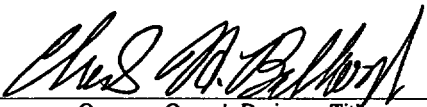
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.


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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: _____	 Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>1-28-04</u> to <u>6-10-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. <u>JOHN NORRIS PER TELE-FAX</u>  Inspector's Signature Date: <u>200</u>	Commissions: <u>NB 9831, MD 1171 AN11</u> <u>NB 12779, MD 1155</u> National Board, State, and Endorsements

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: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-057, MWO No. 1200204093
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, WIn. 1968 Add; Class A, CCases 1581, N-2, N-10

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Dresser Industries	BM-07951	N/A	Unit #1 Pressurizer Electromatic Power Operated Safety Valve	1996	Repaired/Replaced	No
Electromatic Relief Valve	Dresser Industries Inc.	402603 SN: BS-07325	N/A	Valve, Pressurizer ERV, 2 1/2 In. 2500 lb., Consolidated Electromatic, P/N: 31533VX-30-2-XFF1-NC2005	2001	Replacement	No

7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Power Operated Relief Valve 1-ERV-404.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 Deg. F

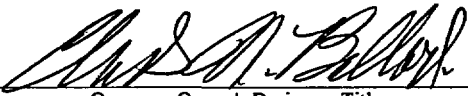
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: _____	 Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>8-21-03</u> to <u>6-11-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELE-FAX _____ Date: <u>6-16</u>	Commissions: <u>NB 9831, MD1171 AN11</u> <u>NB 12779, MD1155</u> National Board, State, and Endorsements
Inspector's Signature 200 <u>4</u>	

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: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-057a, MWO No. 1200204093
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: One

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2 1/2" CC-10-1004	N/A	#11 Pressurizer Piping to 1-ERV-404	1975	Repaired/Replaced	No
Nut	Nova Machine Products Corp.	38612 Heat Code: MVJ	N/A	Nut, Heavy Hex, 1 1/8 in. X 8 TPI, ASME SA-194 Gr. 7	1999	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthread, 1 1/8 in. X 8 TPI, ASME SA-193 Gr. B7	1999	Replacement	No

7. Description of Work:

This plan was for the replacement of fastener materials to support the replacement of the Unit-1 Pressurizer Power Operated Relief Valve 1-ERV-404.

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

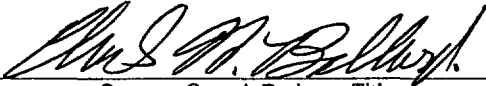
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

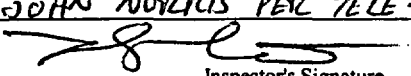
FORM NIS-2 (Back)

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: 	Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
Owner or Owner's Designee, Title		

Certificate of Inservice Inspection	
<p>I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>4-28-04</u> to <u>6-11-04</u>, 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.</p> <p>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.</p>	
<p><u>DONALD A. SHAPIRA FOR MR.</u> <u>JOHN NORRIS PER TELE-FAX</u></p> <p></p> <p>Date: <u>6-16</u> Inspector's Signature <u>2004</u></p>	<p>Commissions: <u>NB 9831, MD 1171, AN11</u> <u>NB 12779, MO 1155</u></p> <p style="text-align: center;">National Board, State, and Endorsements</p>

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/18/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-058, MWO No. 1200204377
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: One

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Win. 1968 Add; Class A, CCases 1581, N-2, N-10

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Dresser Industries	BM-07950	N/A	Unit #1 Pressurizer Electromatic Power Operated Safety Valve	1975	Repaired/Replaced	No
Electromatic Relief Valve	Wyle Laboratories	412522 SN: BY-77325	N/A	Valve, Pressurizer ERV, 2 1/2 in. 2500 lb., Consolidated Electromatic, P/N: 31533VX-30-2-XFF1-NC2005	2004	Replacement	No

7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Power Operated Relief Valve 1-ERV-402.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 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 conforms to the rules of the ASME Code, Section XI.

Repair/Replacement

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

Signed:



Owner or Owner's Designee, Title

Charles H. Ballard
Engineering TechnicianDate: 6/18/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 8-21-03 to 6-10-04, 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.

DONALD A. SHAPIRA FOR MR.

MARVIN COATS PER TELE-FAX


Commissions: NB 9292, ABNIS, MD 1165
NB 12779, MD 1155Date: 6-22 Inspector's Signature
200 4

National Board, State, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/18/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-058a, MWO No. 1200204377
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: One

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2 1/2"CC-10-1003	N/A	#11 Pressurizer Piping to 1-ERV-402	1975	Repaired/Replaced	No
Nut	Nova Machine Products Corp.	38612 Heat Code: MVJ	N/A	Nut, Heavy Hex, 1 1/8 in. X 8 TPI, ASME SA-194 Gr. 7	1999	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthread, 1 1/8 in. X 8 TPI, ASME SA-193 Gr. B7	1999	Replacement	No

7. Description of Work:

This plan was for the replacement of fastener materials to support the replacement of the Unit-1 Pressurizer Power Operated Relief Valve 1-ERV-402.

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

Repair/Replacement

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

Signed: _____


Owner or Owner's Designee, Title

Charles H. Ballard
Engineering Technician

Date: 6/18/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 4-28-04 to 6-10-04, 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.

DONALD A. SHAPIRA FOR MR.
MARVIN COATS PER TELE-FAX
DS 6-22-04

Commissions: NB 9292, ABNIS, MD 1165
NA 12779, MD 1155

Date: 6-22 Inspector's Signature 2004

National Board, State, and Endorsements

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: 11/17/2003
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-052, MWO No. 1200204580
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1968 Edition, Winter 1968 Add; Class A, CCases N-2, N-10

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BN-04373	N/A	Unit One Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Nozzle	Dresser Industries Inc.	15988-GX SN: ACS 96	N/A	Nozzle, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 4231701N, ASME SA-182 Gr. F347	1996	Replacement	Yes
Relief Valve	Dresser Industries Inc.	404679 SN: BM-07953	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 200 location.	2002	Replacement	Yes
Disc	Dresser Industries Inc.	95597-GX SN: ACM 76	N/A	Disc, Maxiflow Relief Valve, 2 1/2 in., Model 31739A, Dresser P/N 1840404N, ASME SB-637 Gr. 688	1995	Replacement	Yes

7. Description of Work:

This plan was for the replacement of Unit-1 Pressurizer Safety Valve, 1-RV-200.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2250 psi. Test Temperature: 594 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.

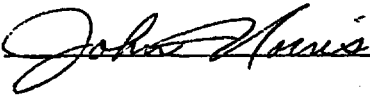
FORM NIS-2 (Back)

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 <u>Repair/Replacement</u> conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>		
Signed:	 Charles H. Ballard Engineering Technician	Date: <u>11/17/2003</u>
	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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period _____ to _____, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.	
	Commissions: <u>NB 9831 AUI MD 1711</u>
Date: <u>12/1/03</u>	Inspector's Signature 200 <u>3</u> National Board, State, and Endorsements

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 & 3226 North, Alexandria, LA 71309-1430
2. Manufactured for Baltimore Gas & Electric P. O. Box 1535 Baltimore, MD 21203-1535
3. Location of installation Baltimore Gas & Electric 1650 Calverts Cliffs Parkway Lusby, MD 20657-4702
4. Type OS417 SA182 Gr. F347 75 KSI N/A 1996
5. ASME Code, Section III Division 1:1968 Winter 1968 Article 9 (Cl. 1) N/A
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A 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.

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order. Rows 1-25.

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order. Rows 26-50.

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

*Supplemental Information in form of lists, sketches or drawings may be used provided, (1) size is 8 1/2 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 COMPLIANCE

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

NPT Certificate of Authorization No. N-2434, Expires May 20, 1998

Date Sept 11, 1996 Name See Line 1 Signed L. R. Thomas
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

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 9/11/96, 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 Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 9/11/96 Signed [Signature] Commissions LA664
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)



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

- Dresser Industries, Inc., Dresser Valve & Controls Div. Industrial Valve Operations
- Manufactured and certified by Intersection Hwy. 167 & 3225 North, Alexandria, LA 71309-1430
(Name and Address of Certificate Holder)
 - Manufactured for Baltimore Gas & Electric P. O. Box 1535 Baltimore, MD 21203-1535
(Name and Address of Purchaser)
 - Location of Installation Baltimore Gas & Electric 1650 Calverts Cliffs Parkway Lusby, MD 20657
(Name and Address)
 - Type OS417 SB637 Inconel X750 N/A N/A 1995
(Drawing No.) (Mat'l. Spec. No.) (Tensile Strength) (CRN) (Year Built)
 - ASME Code, Section III: 1968 Winter 1968 A Article 9 N/A
(Edition) (Addenda) (Class) (Code Case No.)
 - Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(No.)
 - Remarks: N/A
 - Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft.&in.) N/A Length overall (ft.&in.) N/A
 - 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)	
(22)	
(23)	
(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)	
(48)	
(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 8 1/2 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 [Signature]
(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 [Signature] Commissions LAB64
(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. Date: 11/17/2003
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-062, MWO No. 1200204580
(address) (P.O. no., job no., etc.)

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

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2 1/2"CC-10-1007	N/A	Pressurizer Piping to Safety Relief Valve 1-RV-200	1975	Repaired/Replaced	No
Nut	Cardinal Industrial Products Inc.	57533-GX	N/A	Nut, Heavy Hex, 1 1/8 in. X 8 TPI, ASME SA-194 Gr. 7	1992	Replacement	No
Rod	Allied Nut & Bolt Co. Inc.	18438	N/A	Rod, Allthread, 1 1/8 in. X 8 TPI, ASME SA-193 Gr. B7	1998	Replacement	No

7. Description of Work:

This plan was for the replacement of pressure retaining fastener materials on 1-RV-200 on the Inlet flange to the piping system 1#CC10-1007.

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

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

FORM NIS-2 (Back)

9. Remarks:

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

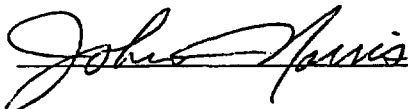
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
Owner or Owner's Designee, Title Engineering Technician Date: 11/17/2003

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period _____ to _____, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: NR 9831 ANI MD 1171
Inspector's Signature National Board, State, and Endorsements
 Date: 12/1 2003

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: 01/24/2003
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-060, MWO No. 1200204888
(address) (P.O. no., job no., etc.)

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

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement (Yes or No)	ASME Code Stamped
Tubing System	Bechtel	N/A	N/A	#11 Pressurizer Instrumentation	1970	Repaired/Replaced	No
Tubing	Consolidated Power Supply	20439 Ht. #442042	N/A	Tubing, 1/2 in. X .065 Wall, ASME SA 213, Tp. 316	1998	Replacement	No
Tubing Nut	Mid Atlantic Instrumentation Inc	18402-GX Heat Code: TIH	N/A	Nut, Tube, 1/2 in. Parker Hannifin, P/N 8BZ-SS, ASTM/ASME A/SA182 or A/SA479, Tp. 316	1997	Replacement	No
Tubing Ferrule	Mid Atlantic Instrumentation Inc	18402-GX Heat Code: CEKU	N/A	Ferrule, Tube, 1/2 in. Parker Hannifin, P/N 8TZ-SS, ASTM/ASME A/SA182 or A/SA479, Tp. 316	1997	Replacement	No
Tubing Union	Parker Hannifin Corp	77567-GX Heat Code: CBTD	N/A	Union, Tube, 3/4 in. X 1/2 in., Parker Hannifin, P/N 12TZ-SS, ASTM/ASME A/SA182 or A/SA479, Tp. 316	1992	Replacement	No

7. Description of Work:

This plan was for the work and parts needed to replace tubing and fittings upstream of 1-HVRC-1180, a drain valve for instrument 1-LT-110X.

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:

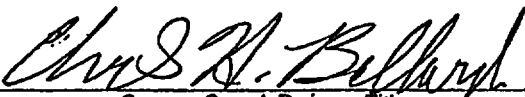
No Section XI Pre-Service NDE was performed in support of this activity.

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
 Owner or Owner's Designee, Title Engineering Technician Date: 01/24/2003

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 11-10-02 to 2-21-03, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: MD980
 Inspector's Signature National Board, State, and Endorsements NB 7822 ABIN 115

Date: 2/21 2003

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2004
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-022a, MWO No. 1200205233
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-CKVCVC-165	N/A	#11Charging Pump Discharge Check Valve	1975	Repaired/Replaced	Yes
Check Valve	Enertech Inc.	408934 SN: 11273	N/A	Valve, Nozzle Check, 2 in., 1500 lb., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N)	2002	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-CKVCVC-165, #11Charging Pump Discharge Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2400 psi. Test Temperature: 115 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.

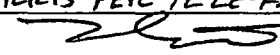
FORM NIS-2 (Back)

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp:	<u>N/A</u>	
Certificate of Authorization No.:	<u>N/A</u>	Expiration Date: <u>N/A</u>
Signed:	 Owner or Owner's Designee, Title	Charles H. Ballard Engineering Technician Date: <u>6/15/2004</u>

Certificate of Inservice Inspection	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>7-24-03</u> to <u>6-10-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. <u>JOHN NORRIS PER TELE-FAX</u> 	Commissions: <u>NB 9831, MD 1171, AN11</u> <u>NB 12779, MD 1155</u> National Board, State, and Endorsements
Date: <u>6-16</u>	Inspector's Signature <u>2004</u>

11256 thru
11273

Certificate Holder's Serial No. _____

8. Design conditions 2800 psi 250 °F or valve pressure class 1500 (1)
(pressure) (temperature)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 18, Enertech Job Number 29345V

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 10/11/05

Date 1/15/03 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 1.15.03, 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 1.15.03 Signed [Signature] Commissions CA 1520 NB94054N
(Authorized Inspector) (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 by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-022b, MWO No. 1200205233
(address) (F.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2" CC-7-1001	N/A	#11 Charging Pump Discharge Piping	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht #: 8324H	N/A	Pipe, 2 in., Sch. 160, ASME SA-376, Tp. 316	2000	Replacement	No
Insert Reducer	DuBose National Energy Services Inc.	54906-GX Heat Code: DVE	N/A	Reducer, Insert, 2 in. X 3/4 in., 6000 lb., Socketweld, ASME SA-182, Gr. F316	1992	Replacement	No
Tee	DuBose National Energy Services Inc.	54906-GX Heat Code: BV	N/A	Tee, 2 in., 6000 lb., Socket Weld, ASME SA-182, Gr. F316	1992	Replacement	No
Nut	Mackson Inc.	400066 Heat Code: JKX	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2000	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht. #: S20751	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Flange	DuBose National Energy Services Inc.	409374 Ht. Code: BHZ	N/A	Flange, 2 in., 1500 lb., Large Tongue, Socketweld, ASME SA-182, Gr. F316	2003	Replacement	No

7. Description of Work:

This plan was for the work, piping, fittings, hanger supports and fasteners needed to support the replacement of 1-CKVCVC-165 and 1HVCVC-166, #11 Reactor Coolant Charging Pump discharge Check Valve and Isolation valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2400 psi. Test Temperature: 115 Deg. F

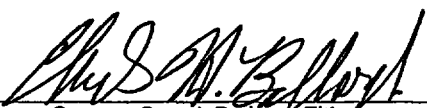
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is


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. Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: _____	 Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
	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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>7-24-03</u> to <u>6-10-04</u> , 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.	
DONALD A. SHAPIRO FOR MR. JOHN NORRIS PER TELE-FAX  Inspector's Signature Date: <u>6-16</u> <u>2004</u>	Commissions: <u>NB 9831, MD 1171, ANI</u> <u>NB 12779, MD 1153</u> National Board, State, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-022c, MWO No. 1200205233
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: Two

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-HVCVC-166	N/A	#11 Charging Pump Discharge Isolation Valve	1975	Repaired/Replaced	Yes
Gate Valve	Framatome ANP Inc.	400425 SN: 001028-1	N/A	Valve, Gate, 2 in. 1690 lb.; ASME SA-182 Gr. F316	2001	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-HVCVC-166, #11 Charging Pump Discharge Isolation Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2400 psi. Test Temperature: 115 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.

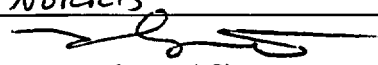
FORM NIS-2 (Back)

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-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg.Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: <u></u>	Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>7-24-03</u> to <u>6-10-04</u> , 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.	
<u>DONALD A. SHAPIRA FOR MR. JOHN NORRIS</u>  Inspector's Signature	Commissions: <u>NB 9831, MD 1171, AN 11</u> <u>NB 12779, MD 1155</u> National Board, State, and Endorsements
Date: <u>6-16</u>	<u>2004</u>

Certificate Holder's Serial No. 001028

- 8. Design conditions 4055 psi 100 °F or valve pressure class 1690 (1)
(pressure) (temperature)
- 9. Cold working pressure 4055 psi at 100°F
- 10. Hydrostatic test 6350 psi. Disk differential test pressure 4650 psi
- 11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

Design Specification certified by M. Lavigne P.E. State QUE Reg. no. 40052
 Design report certified by S. ISBITSKY P.E. State QUE Reg. no. 22115

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-2797-1 Expires MAY 2, 2001

Date OCT 18 2000 Name VELAN INC. Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have inspected the pump, or valve, described in this Data Report on Oct 10/21/2000, 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 10/10/21 signed [Signature] Commissions QUEBEC **J. MARCHAND QC # 8714**
 (Authorized Inspector) (Nat'l Bd. (incl. REGIE DU BATIMENT DU QUEBEC) state or prov. and no.) (1)

(1) For manually operated valves only.



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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
(name)

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

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 R&R No. 2003-1-052a, MWO No. 1200205235
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 8370	N/A	#13 Charging Pump Discharge Check Valve	1975	Repaired/Replaced	Yes
Check Valve	Enertech Inc.	408934 SN: 11271	N/A	Valve, Nozzle Check, 2 in., 1500 lb., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N)	2002	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-CKVCVC-177, #13Charging Pump Discharge Check Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2352 psi. Test Temperature: 117 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

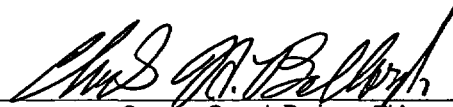
Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement

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

Signed: 
Owner or Owner's Designee, Title

Charles H. Ballard
Engineering Technician

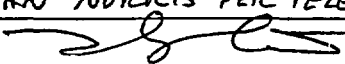
Date: 6/16/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 9-22-03 to 6-10-04, 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.

DONALD A. SHAPIRA FOR MR.

JOHN NOYRIS PER TELE-FAX


Commissions: NB 9831, MD 1171, AN11
NB 12779, MD 1155
National Board, State, and Endorsements

Date: 6-17 Inspector's Signature
2004

11256 thru
11273

Certificate Holder's Serial No. _____

8. Design conditions 2800 (pressure) psi 250 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 18, Enertech Job Number 29345V

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 10/11/05

Date 1/15/03 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 1.15.03, 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 1.15.03 Signed [Signature] Commissions CA 15210 NB 9405 AN
(Authorized Inspector) (Net). 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 by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)

2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-052b, MWO No. 1200205235
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2" CC-7-1003	N/A	#13 Charging Pump Discharge Piping	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: 8324H	N/A	Pipe, 2 in., Sch. 160, ASME SA-376, Tp. 316	2000	Replacement	No
Insert Reducer	Energy & Process Corporation	411138 Heat Code: EM65	N/A	Reducer, Insert, 2 in. X 1 in., 6000 lb., Socketweld, ASME SA-182, Gr. F316.	2003	Replacement	No
Tee	DuBose National Energy Services Inc.	54906-GX Heat Code: BV	N/A	Tee, 2 in., 6000 lb., Socket Weld, ASME SA-182, Gr. F316	1992	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A	Nut, Heavy Hex, 7/8 in. X 9 TPI, ASME SA-194 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	N/A	Rod, Allthread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Flange	DuBose National Energy Services Inc.	409374 Ht. Code: BHI	N/A	Flange, 2 in., 1500 lb., Large Tongue, Socketweld, ASME SA-182, Gr. F316	2003	Replacement	No
Coupling	Ladish Co.	F-8588 Heat Code: D6MG H	N/A	Coupling, 2 in., 6000 lb., ASTM A-182, Gr. F316	1973	Replacement	No
Pipe Strap	Anvil International Inc. Grinnell Supports	34757 Lot#: 17925	N/A	Strap, Pipe Guide, 2 in., for PG-44, BGEDRWG FSK-MP-0571SH 0005 & 6, Item #2	1999	Replacement	No

7. Description of Work:

This plan was for the work, piping, fittings, hanger supports and fasteners needed to support the replacement of 1-CKVCVC-177 and 1HVCVC-178, #13 Reactor Coolant Charging Pump discharge Check Valve and Isolation valve.

526

FORM NIS-2 (Back)

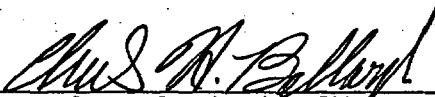
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2352 psi. Test Temperature: 117 Deg. F

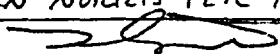
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>		
Signed:	 Owner or Owner's Designee, Title	Charles H. Ballard Engineering Technician Date: <u>6/16/2004</u>

Certificate of Inservice Inspection	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>9-22-03</u> to <u>6-10-04</u> , 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.	
DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELEFAX  Date: <u>6-17</u> 200 <u>4</u>	Commissions: <u>NB 9831, MD 1171, AN 11</u> <u>NB 12779, MD 1153</u> National Board, State, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-052c, MWO No. 1200205235
(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: Two
(address)

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	1-HVCVC-178	N/A	#13 Charging Pump Discharge Isolation Valve	1975	Repaired/Replaced	No
Gate Valve	Vendor: BWNS Nuclear Mfr: Velan Engrg. Co.	70390LNP SN: 941005-1	N/A	Valve, Gate, 2 in. 1690 lb.; ASME SA-182 Gr. F316	1994	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-HVCVC-178, #13 Charging Pump Discharge Isolation Valve.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: _____ Inservice: Leakage: Functional:
 Pressure: 2352 psi. Test Temperature: 117 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.

52c

FORM NIS-2 (Back)

9. Remarks:

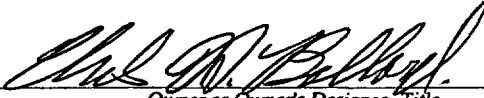
A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Req. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

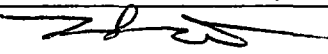
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/17/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 9-22-03 to 6-10-04, 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.

DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELE FAX
 Commissions: NB 9831, MD 1171 AN11
NB 12779, MD 1155
 National Board, State, and Endorsements

Date: 6-17 Inspector's Signature 2004

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

941005
P.S

Pg. 1 of 2

- Manufactured and certified by VELAD INC. 2121 WARD AVE, MTL, CANADA
(name and address of N Certificate Holder)
- Manufactured for B & W NUCLEAR SERVICE
(name and address of Purchaser)
- Location of installation NA
(name and address)
- Model No., Series No., or Type GATE Drawing P176800-10A Rev. F CRN NA
- ASME Code, Section III, Division 1: 1989 1000 1 NA
(edition) (addenda date) (class) (Code Case no.)
- Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)
- Material: Body SA-182, F316 Bonnet SA-182, F316 Disk SA-351, CF8M Bolting SA-564, 630H
SA-194, 81

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
941005-1	NA	H/C: A-AS	H/C: A-KV	H/C: 915
" 2	"	H/C: B-CH	H/C: A-KV	"
" 3	"	H/C: B-AS	H/C: A-KV	"
" 4	"	H/C: B-CH	H/C: A-KV	"
" 5	"	H/C: B-CH	H/C: A-KV	"

* REVISED COPY
 941005
 Value S/N. 941005-1.
 Changed Heat code to read A-511

*Supplemental information 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 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.

INSPECTED
7
RECEIVED

PAGE 7 OF 26

BWNS
EPP

Certificate Holder's Serial No. 941005

- 8. Design conditions 4055 psi 100 °F or valve pressure class 1690 (1)
- 9. Cold working pressure 4055 psi at 100°F
- 10. Hydrostatic test 6350 psi. Disk differential test pressure 4650 psi
- 11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989
ADDENDUM: 1992

CERTIFICATION OF DESIGN

Design Specification certified by J.M. FARRELL P.E. State QUE Reg. no. 30039
 Design Report certified by S. ISBITSKY P.E. State QUE Reg. no. 28115

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-2797-1 Expires MAY 2/95

Date March 4/89 Name VEHAN INC Signed [Signature]
 (N Certificate Holder) (authorized representative)

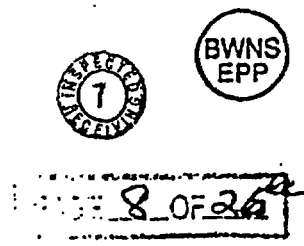
CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Quebec and employed by [Signature] of Quebec have inspected the pump, or valve, described in this Data Report on 9/3/9, 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 9/3/9 Signed [Signature] Commissions [Signature]
 (Authorized Inspector) (Nat'l. Bd. (Lic. 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. Date: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-077, MWO No. 1200205240
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1
 (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	2 1/2"CC-10-1003-H3	N/A	#11 Pressurizer Pipe Support to 1-ERV-402	1975	Repaired/Replaced	No
Spring Can	Anvil International Inc. Grinnell Supports	411825 PN: 80VB014-NB	N/A	Support, Constant, Anvil Figure 80-V, Size 14, Type B, with Travel Stop, Load = 620 lbs.	2004	Replacement	No

7. Description of Work:
 This plan was for the replacement of the Spring Can on pipe line 2 1/2"CC-10-1003, Pressurizer Piping to Electric Relief Valve 1-ERV-402, support number H3.

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		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: _____	 Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>3-17-04</u> to <u>6-3-04</u> , 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.	
DONALD A. SHAPINA FOR MR. JOHN NORZIS PER TELE-FAX	
_____ Date: <u>6-16</u>	Commissions: <u>NB 9831, MD 1171, AV 11</u> <u>NB 12779, MD 1155</u> National Board, State, and Endorsements
Inspector's Signature 200 <u>4</u>	

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: 6/14/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-078, MWO No. 1200205247
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	2 1/2"CC-10-1004-H3	N/A	#11 Pressurizer Pipe Support to 1-ERV-404	1975	Repaired/Replaced	No
Spring Can	Anvil International Inc. Grinnell Supports	411825 PN: 81HC015-NB	N/A	Support, Constant, Anvil Figure 81-H; Size 15, Type C, with Travel Stop, Load = 725 lbs.	2004	Replacement	No

7. Description of Work:
 This plan was for the replacement of the Spring Can on pipe line 2 1/2"CC-10-1004, Pressurizer Piping to Electric Relief Valve 1-ERV-404, support number H3.

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement



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

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/14/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-17-04 to 6-03-04, 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.

 FOR
 MR. JOHN NORRIS PER TELE-FAX
4-14-04 Commissions: NB 9831, MD 1171, AN 11
 NB 12779, MD 1155
 Inspector's Signature National Board, State, and Endorsements
 Date: 6-14- 2004

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-023a, MWO No. 1200205332
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 155	N/A	Pressurizer Isolation Block Valve for 1-ERV-402	1975	Repaired/Replaced	Yes
Gate Valve	Flowserve Corporation	405820 SN: E506T-1-1	N/A	Valve, Gate, 2 1/2 in., 1703 lb., Sch. 160 Buttwelded, Flowserve P/N W01-25821, ASME SA-351 Gr. CF8M	2002	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-MOV-403, #11 Pressurizer Isolation Block Valve for 1-ERV-402.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 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.

023a

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement


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

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/16/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 12-2-03 to 5-20-04, 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.

DONALD A. SHAPIRA FOR MR.
JOHN NORRIS PER TELE-FAX Commissions: NB9831, MD1171, AN11
 NB12779, MD1153
 Date: 6-17 Inspector's Signature 2004 National Board, State, and Endorsements

Certificate Holder's Serial No. E506T-1-1 thru -1-4

8. Design conditions 2485 psi 675 °F or valve pressure class 1703 (1)
(pressure) (temperature)


9. Cold working pressure 4087 psi at 100°F

10. Hydrostatic test 6150 psi. Disk differential test pressure 4500 psi

11. Remarks: Material: Bonnet Studs: (30) Trace Code E621
(2) Trace Code E719
Bonnet Nuts: (23) Trace Code TSK
(9) Trace Code A288

CERTIFICATION OF DESIGN			
Design Specification certified by <u>John R. Sponcel</u>	P.E. State <u>MD</u>	Reg. no. <u>17308</u>	
Design Report certified by <u>Ronald S. Farrell</u>	P.E. State <u>PA</u>	Reg. no. <u>PE-035216-B</u>	

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. <u>N1712</u>		Expires <u>4/15/04</u>	
Date <u>8/30/02</u>	Name <u>Flowserve Corporation</u> <small>(N Certificate Holder)</small>	Signed <u>[Signature]</u> <small>(authorized representative)</small>	

CERTIFICATE OF INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State EXPXXXX of <u>Pennsylvania</u> and employed by <u>One Beacon America Insurance</u> of <u>Boston, Mass.</u> have inspected the pump, or valve, described in this Data Report on <u>1-15/1a 8-30-02</u> , 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 way for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.			
Date <u>8-30-02</u>	Signed <u>[Signature]</u> <u>Charles Young</u> <small>(Authorized Inspector)</small>	Commissions <u>Pennsylvania 2392</u>	 9
<small>(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)</small>			

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-023b, MWO No. 1200205332
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: One

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	N/A	N/A	#11 Pressurizer Piping to 1-MOV-403	1975	Repaired/Replaced	No
Pipe	DuBose National Energy Services Inc.	410658 Ht. #: PZ278	N/A	Pipe, 2 1/2 in., Sch. 160, ASME SA-376, Tp. 316	2003	Replacement	No
Elbow	Consolidated Power Supply	408690 Ht. #: F8746	N/A	Elbow, Pipe, 2 1/2 in., 90 Deg., Sch.160, Long Radius, butt weld, ASME SA-403, Gr. WP316	2002	Replacement	No
Concentric Reducer	DuBose National Energy Services Inc.	410658 Ht. #: F8791	N/A	Reducer, Pipe, Concentric, 4 in. X 2 1/2 in., Sch. 120 X 160, ASME SA-403, Gr. WP316	2003	Replacement	No

7. Description of Work:

This plan was for the piping/fittings in support of the replacement of 1-MOV-403, #11 Pressurizer Isolation Block Valve for 1-ERV-402.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 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.

023b

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

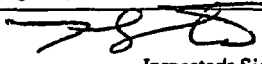
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard Date: 6/16/2004
Owner or Owner's Designee, Title Engineering Technician

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 12-2-03 to 5-20-04, 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.

DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD1171, AN11
 NB 12779, MD1153
Inspector's Signature National Board, State, and Endorsements

Date: 6-17 2004

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
 (name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-024a, MWO No. 1200205334
 (address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970
Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	154	N/A	Pressurizer Isolation Block Valve for 1-ERV-404	1975	Repaired/Replaced	No
Gate Valve	Flowserve Corporation	405820 SN: E506T-1-2	N/A	Valve, Gate, 2 1/2 in., 1703 lb., Sch. 160 Butt welded, Flowserve P/N W01-25821, ASME SA-351 Gr. CF8M	2002	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-MOV-405, #11 Pressurizer Isolation Block Valve for 1-ERV-404.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 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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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. A Section XI Surface Examination of the affected component was performed to satisfy Section XI Pre-Service Requirements. Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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


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

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/17/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 12-2-03 to 6-8-04, 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.

DONALD A. SHAPIRA FOR MR.
JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD.1171, AN11
 6-18-04 NB 12779, MD1155
 Date: 6-18 Inspector's Signature 2004 National Board, State, and Endorsements

Certificate Holder's Serial No. B506T-1-1 thru -1-4

8. Design conditions 2485 psi 675 °F or valve pressure class 1703 (1)
(pressure) (temperature)

9. Cold working pressure 4087 psi at 100°F

10. Hydrostatic test 6150 psi. Disk differential test pressure 4500 psi

11. Remarks: Material: Bonnet Studs: (30) Trace Code B621
(2) Trace Code E719
Bonnet Nuts: (23) Trace Code TSK
(9) Trace Code A288

CERTIFICATION OF DESIGN

Design Specification certified by John R. Sponsel P.E. State MD Reg. no. 17308
 Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216-E

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. N1712 Expires 4/15/04
 Date 8/30/02 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of ~~Mass.~~ Pennsylvania and employed by One Beacon America Insurance of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 1-15 thru B-30-02, 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 8-30-02 Signed [Signature] Commissions Pennsylvania 2392 9
Charles Yoline (Authorized Inspector) [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 by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-024b, MWO No. 1200205334
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	4"CC-10-1002	N/A	#11 Pressurizer Piping to 1-MOV-405	1975	Repaired/Replaced	No
Concentric Reducer	DuBose National Energy Services Inc.	410658 Ht. #: F8791	N/A	Reducer, Pipe, Concentric, 4 in. X 2 1/2 in., Sch. 120 X 160, ASME SA-403, Gr. WP316	2003	Replacement	No

7. Description of Work:

This plan was for the fitting and work needed to support the replacement of 1-MOV-405, #11 Pressurizer Isolation Block Valve for 1-ERV-404.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 psi. Test Temperature: 660 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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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 Surface Examination of the affected component was performed to satisfy Section XI Pre-Service Requirements. A Section XI Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. Code Case N-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement

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

Signed: [Signature] Charles H. Ballard Engineering Technician Date: 6/17/2004
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 ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 12-2-03 to 6-8-04, 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.

DONALD A. SHAPIRA FOR MR.

JOHN NORRIS PER TELEFAX Commissions: NB 9831, MD1171, AN11
NB12779, MD1155

Date: 6-18 2004 Inspector's Signature

National Board, State, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-024c, MWO No. 1200205334
(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: One
(address)

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 1

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	2 1/2"CC-10-1002-R12	N/A	#11 Pressurizer Pipe Support to 1-MOV-405	1975	Repaired/Replaced	No
Steel Plate	DuBose National Energy Services Inc.	89317-GX Ht.#: 421J4411	N/A	Plate, Steel 1 1/2 in. X 48 in. X 96 in., ASME SA-36	1993	Replacement	No
Nut	Consolidated Power Supply	405854 Ht.# 7307732	N/A	Nut, Heavy Hex, 5/8 in. X 11 TPI, ASME SA-194 Gr. 2H	2001	Replacement	No
Rod	Mackson Inc.	412170 Ht.#: 622817	N/A	Rod, Allthread, 5/8 in. X 11 TPI, ASME SA-193 Gr. B7	2004	Replacement	No

7. Description of Work:

This plan was for the pipe support work on 2 1/2"CC10-1002-R12 in support of the replacement of 1-MOV-405, #11 Pressurizer Isolation Block Valve for 1-ERV-404.

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.

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FORM NIS-2 (Back)

9. Remarks:


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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

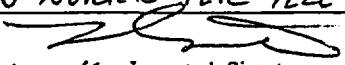
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
 Owner of Owner's Designee, Title Engineering Technician Date: 6/17/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 4-17-04 to 6-8-04, 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.

DONALD A. SHAPIRA FOR MR. JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD. 1171, AN11
 NB 12779, MD 1155
 Date: 6-18 Inspector's Signature 2004 National Board, State, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/16/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-018, MWO No. 1200301717
(address) (P.O. no., job no., etc.)

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

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	SN: 1C864	NB 1236	#11B Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	1200103259 SN: 1C866	NB: 1238	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2002	Replacement	Yes

7. Description of Work:

This plan was for the replacement of the mechanical seal on #11B Reactor Coolant Pump.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 2260 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:

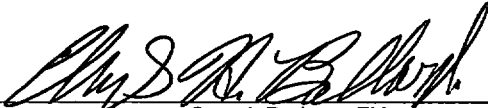
A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report.

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

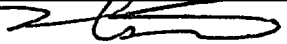
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
 Owner or Owner's Designee, Title Engineering Technician Date: 6/16/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 3-5-03 to 5-28-04, 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.

DONALD A. SHAPIRA FOR MR.
JOHN NORRIS PER TELE-FAX Commissions: NB 9831, MD 1171, AN11
 6-22-04 NB 12779, MD 1135
 Inspector's Signature National Board, State, and Endorsements

Date: 6-17 2004

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: 4/19/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-080, MWO No. 1200303202
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	ASME Code	
						Repaired, Replaced, or Replacemen (Yes or No)	Stamped (Yes or No)
Pipe Support	Bechtel	1-ACC233X-SUP	N/A	#11 Charging Pump Discharge De-Surger Restraint	1980	Repaired/Repl aced	No

7. Description of Work:

This plan was for the work on the support/restraint around #11 Charging Pump Discharge De-surger. Shims were used and are not considered Section XI work, but the welding was controlled by a Section XI WAT which was documented on the R&R.

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* Charles H. Ballard Date: 4/19/2004
 Owner or Owner's Designee, Title Engineering Technician

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 12-10-03 to 2-23-04, 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.

John Louis Commissions: NB 9831 ANTE, MO. 1171
 Inspector's Signature National Board, State, and Endorsements
 Date: 4-23 2004

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: 6/15/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-072, MWO No. 1200303410
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: One

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	69-4126-006	N/A	#12B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain CV to R.W.T.	1974	Repaired/Replaced	No
Plug Assembly	Flowserve Corporation	400322 Ht.#: 726176	N/A	Plug & Stem Ass. 1 in. 1500 lb. ITT Hammel-Dahl Unbalanced Globe Valve, BGEDRWG 12121-0013, Item #6	2000	Replacement	No

7. Description of Work:

This plan was for the rebuilding of the #12B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain 1-CV-648 to R.W.T.

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


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

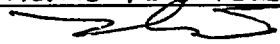
FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance		<u>Repair/Replacement</u>
We certify that the statements made in this report are correct and that this conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: <u>N/A</u>		
Certificate of Authorization No.: <u>N/A</u>	Expiration Date: <u>N/A</u>	
Signed: <u></u>	Charles H. Ballard Engineering Technician	Date: <u>6/15/2004</u>
Owner of Owner's Designee, Title		

Certificate of Inservice Inspection	
<p>I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period <u>10-27-03</u> to <u>5-6-04</u>, 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.</p> <p>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.</p>	
<p><u>DONALD A. SHAPIRA FOR MR.</u> <u>JOHN NOYALIS PER TELE-FAX</u> <u></u></p>	<p>Commissions: <u>NB 9831, MD 1171, AN11</u> <u>NB 12779, MD 1155</u></p>
Date: <u>6-16</u>	<p style="text-align: center; font-size: small;">Inspector's Signature 200 <u>4</u></p> <p style="text-align: center; font-size: small;">National Board, State, and Endorsements</p>

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: 2/19/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-075, MWO No. 1200303794
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	1ACC233Z, SUP	N/A	#13 Charging Pump Discharge De-Surger Restraint	1980	Repaired/Replaced	No
Steel Plate	DuBose National Energy Services Inc.	400428 Ht#Y07703 or A3518	N/A	Plate, Steel 1/2 in. X 48 in. X 96 in., ASME SA-36	2001	Replacement	No

7. Description of Work:

This plan was for the work on the support/restraint around #13 Charging Pump Discharge De-surger that was allowed by ES200300606-000.

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
 Owner or Owner's Designee, Title Engineering Technician Date: 2/19/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 10-13-03 to 10-27-03, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: NB9831, MD1171, ANI, ANI
 Inspector's Signature National Board, State, and Endorsements
 Date: 3-5- 2004

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: 4/20/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2003-1-081, MWO No. 1200304508
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970
Add; Class 3

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.	SN: 1314	N/A	Refueling Water Tank Drain to Miscellaneous Waste Storage Tank Isolation Valve	1975	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the welding on 1-HVSI-4163, Refueling Water Tank Drain to Miscellaneous Waste Storage Tank Isolation Valve. This welding is only for tacks on the bonnet assembly to prevent the Yoke Bushing/Nut from backing out.

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
Owner or Owner's Designee, Title Engineering Technician Date: 4/20/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 12-12-04 to 12-18-03, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions: NB 9831 ANE, MD 1171
Inspector's Signature National Board, State, and Endorsements
 Date: 4-25 2004

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
 (name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2004-1-009a, MWO No. 1200400341
 (address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
 (address) Section XI Class: Two

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Piping System	Bechtel	3"HC-7-1004	N/A	#12 Boric Acid Pump discharge to 1-BS-209, basket strainer.	1975	Repaired/Replaced	No
Pipe	Tioga Pipe Supply Co. Inc.	76446-GX Ht. #: L25610	N/A	Pipe, 3 in. Sch. 10, ASME SA-376 Tp. 304	1993	Replacement	No
Nut	Mackson Inc.	407912 Ht. #: 7307732	N/A	Nut, Heavy Hex, 5/8 in. X 11 TPI, ASME SA-194 Gr. 2H	2002	Replacement	No
Rod	Mackson Inc.	409797 Ht. #: 614117	N/A	Rod, Allthread, 5/8 in. X 11 TPI, ASME SA-193 Gr. B7	2003	Replacement	No
Slip-on Flange	DuBose National Energy Services Inc.	54906-GX Heat Code: D3912	N/A	Flange, 3 in., 150 lb., Raised Face, Slip-on, ASME SA-182, Gr. F316	1992	Replacement	No

7. Description of Work:

This plan was for the replacement of the 3" piping, fittings and fastener material from 1-HVCVC-236 to the flange on the upstream side of basket strainer 1-BS-209.

8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:
 Pressure: 100 psi. Test Temperature: 150 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.

9a

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-416-2 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-2 and Reg. Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement

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

Signed: _____



Owner or Owner's Designee, Title

Charles H. Ballard
Engineering Technician

Date: 6/17/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-3-04 to 5-19-04, 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.

DONALD A. SHAPIRA FOR MR.

JOHN NORRIS PER TELE-FAX



Commissions: NB 9831, MD 1171, AN11
NB 12779, MD 1155

National Board, State, and Endorsements

Date: 6-17 Inspector's Signature 2004

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/17/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2004-1-009b, MWO No. 1200400341
(address) (P.O. no., job no., etc.)

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

1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: Two

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

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

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	3"HC-7-1004,H2/R3	N/A	Pipe Support on CVCS Sys. upstream of 1-BS-209, basket strainer.	1975	Repaired/Replaced	No

7. Description of Work:

This plan was for the removal and rewelding of pipe support 3"HC-7-1004, H2 / R3, upstream of 1-BS-209, basket strainer.

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

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

FORM NIS-2 (Back)

9. Remarks:

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


Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Repair/Replacement

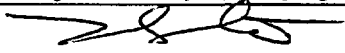
Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard
Owner or Owner's Designee, Title Engineering Technician Date: 6/17/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 2-3-04 to 5-19-04, 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.

DONALD A. SHAPIRO FOR MR.
JOHN NOTRIS PER TELE-FAX Commissions: NB 9831, MD 1171, AN11
 NB 12779, MD 1155

Date: 6-17 Inspector's Signature 2004

National Board, State, and Endorsements

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: 5/20/2004
(name)

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2004-1-017, MWO No. 1200401939
(address) (P.O. no., job no., etc.)

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

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

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Sum. 1971 Add; Class 2
 (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	12" GC-9-1003-R6	N/A	Safety Injection Piping Support	1975	Repaired/Replaced	No
Rod Eye Bracket	Grinnell Corporation	45824	N/A	Bracket, Rod Eye, Rear Assembly, 2 1/2" size, Grinnell Fig. 201, Item 17, ASME SA-216, Gr. WCB	1999	Replacement	No

7. Description of Work:

This plan was for the replacement of the lower rod eye bracket on Snubber 1-52-34, on support 12"GC9-1003-R6.

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.

BACKSIDE OF NIS-2 FOR RTR NO. 2004-1-017
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
Owner or Owner's Designee, Title

Charles H. Ballard
Engineering Technician

Date: 5/20/2004

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 5-2-04 to 5-7-04, 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.

John Louis
Inspector's Signature
Date: 5-24 2004

Commissions: NB 9831, MD1171, N.E.
NB 12779, MD 1155
National Board, State, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 6/21/2004
(name)

1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 3
(address)

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. SNUB-0-004, 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
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Exp Date: N/A
(address) Section XI Class: 1, 2, & 3

4. Identification of System: System Number 065B System Name: Seismic Snubbers

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Ed, Sum. 1971 Add. Class 1 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 Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replaced (Yes or No)	ASME Code Stamped (Yes or No)
Snubber Pool	Grinnell Corporation	Snubber Pool	N/A	Hydraulic Shock and Sway Suppressor	1975	Repaired/Replaced	No
Snubber	Grinnell Corporation	59013-GX SN: 32323	N/A	Hydraulic Shock and Sway Suppressor, 1 1/2 in. Bore X 5 in. Stroke, Grinnell Fig. 200 Opt. 1	1991	Replacement	No
Snubber	Grinnell Corporation	59013-GX SN: 32325	N/A	Hydraulic Shock and Sway Suppressor, 1 1/2 in. Bore X 5 in. Stroke, Grinnell Fig. 200 Opt. 1	1991	Replacement	No
Snubber	Anvil International Inc. Grinnell Supports	411825 SN: 35846	N/A	Hydraulic Shock and Sway Suppressor, Size: 3 X 5 in. Stroke, Anvil Fig. 3306N	2004	Replacement	No
Snubber	Grinnell Corporation	59013-GX SN: 32321	N/A	Hydraulic Shock and Sway Suppressor, 1 1/2 in. Bore X 5 in. Stroke, Grinnell Fig. 200 Opt. 1	1991	Replacement	No

7. Description of Work:

This plan was for the continued control of the Snubber Pool and documentation of new components/parts added to the Snubber Pool per Section XI 1998, IWA-4132, Items Rotated From Stock. This plan covers all Snubber work from the end of Unit #2, 2003 outage through to the end of Unit #1, 2004 outage.

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

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

004

FORM NIS-2 (Back)

9. Remarks:


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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

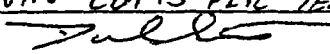
Type Code Symbol Stamp: N/A
 Certificate of Authorization No.: N/A Expiration Date: N/A

Signed:  Charles H. Ballard Date: 6/21/2004
Owner or Owner's Designee, Title Engineering Technician

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by ABS Consulting of Houston, Tx. have inspected the components described in this Owner's Report during the period 4-23-04 to 5-21-04, 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.

DONALD A. SHAPIRA FOR MR.
MARVIN COATS PER THE-ETC Commissions: NB 9292, ABNIS, MD 1165
 6-22-04 NB 12779, MD 1155

Date: 6-22 Inspector's Signature National Board, State, and Endorsements
2004