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



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.

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. NE

Director, Project Directorate I-1, NRC

R. V. Guzman, NRC

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

A047

ENCLOSURE (1)

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

NIS-1

OWNER'S REPORT FOR INSERVICE INSPECTIONS

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

1. Owner	Constellation Energy, P.O. Box 147	5, 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 Ui	nit	1	
4. Owner (Certificate of Authorization (if required)	N/A	
5. Comme	rcial Service Date	05/08/1975	
6. Nationa	l 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 7/20/2004
9. Inspection Period Identification: 2002	to 2006
10. Inspection Interval Identification: 1999	to 2009
11. Applicable Edition of Section XI 1998	Addenda None

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

NIS-1

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.

Certificate of Authorization No. (if applicable)

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.

N/A

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.

NIA

Expiration Date

Date	07/21/2004	Signed	Constellation Ener	rgy	Ву	Tour My H	
		Owner				KEITH M HOFFMAN	ſ
			CERTIFICA	TE OF INSE	RVICE INSPECT	ION	
I, the un	dersigned, holding a va	alid commission issu	ed by the National Bo	ard of Boiler an	d Pressure Vessel Inspe	ctores and the State or provinces of	
Marylar	nd	and employed	y ABS Consulting	g			of
Housto	n, TX		hav	ve inspected the	components described	in this Owner's Report during the pero	id
6/20/20	02	to 7/20/2004	, a	nd state that to	the best of my knowled	ge and belief, the Owner has performe	:d
	ations and tests and tak	en corrective measu	res described in this O	wner's Report in	accordance with the in	spection plan and as required by the A	SME
correctiv		n this Owner's Repo	rt. Furthermore, neith	er the Inspector		, concerning the examinations, tests, at be liable in any manner for any person	
DON	ALD A. SH.	APIRA FOR	L MR.				
JAM	ES D. ELLIS	PER TELE-	FAY	Commissions	NB7453	N, I, NS, MO1160	
Date 21 JULY 2004		>		National Board, St	ate, Province, and Endorsements , MD1155		

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

Summary No.	Comp ID	Comp Desc.	Categor	Item	Procedure	Me	thod/Sheet/I	Results	System	ISO Num	Exam Date
Ctass 1 003625 Comments:	ICI BOLTING 1-64 No indications noted.	ICI BOLTING 1-84	B-G-2	B7.10	NDE-5712-CC	VΤ	CC04-IV-182	Accept	064	A-1	5/7/2004
003850 Comments:	2-401D NO RECORDABLE INDICATIONS NOTE	LOWER SHELL AT 0 DEG. ED	B-B	B2.12	NDE-5419-CC	υτ	CC04-IU-018	Accept	064		4/22/2004
004000 Comments:	3-401 ID GEOMETRY INDICATIONS WERE N	LOWER SHELL TO LOWER HEAD	8-8	B2.11	NDE-5419-CC NDE-5419-CC	_	CC04-IU-017 CC04-IU-031		064 064		4/22/2004 4/27/2004
004050 Comments:	4-404 WILL CONSIDER SUBMITTING RELIEF	NOZZLE TO HEAD WELDS REQUEST FOR THIS WELD BASED ON	B-D LIMITED L	B3.110 T COVERA	NDE-5419-CC AGE	UT	CC04-IU-014	Accept	064		4/20/2004
004250 Comments:	4-404-IRS NO RECORDABLE INDICATIONS NOTI	NOZZLE INSIDE RADIUS SECTION ED	8-D	B3.120	NDE-5417-CC	υτ	CC04-IU-032	Accept	064		4/21/2004
004550 Comments:	MANWAY STUDS/NUTS 1-20 No evidence of boric acid found	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
005750 Comments:	OUTLET SIDE MANWAY STUDS/NUTS No recordable indications noted	OUTLET SIDE MANWAY STUDS/NUTS			NDE-5712-CC	VT	CC04-IV-011	Accept	064	U-1 A-5	4/11/2004
005850 Comments:	INLET SIDE MANWAY STUDS/NUTS No recordable indications noted	INLET SIDE MANWAY STUDS/NUTS	****		NDE-5712-CC	VT	CC04-IV-012	Accept	064	U-1 A-5	4/11/2004
007050 Comments:	OUTLET SIDE MANWAY STUDS/NUTS No Recordable Indications noted.	OUTLET SIDE MANWAY STUDS/NUTS	_		NDE-5712-CC	VT	CC04-IV-013	Accept	064	U-1 A-5	4/11/2004
007150 Comments:	INLET SIDE MANWAY STUDS/NUTS No recordable indications noted.	INLET SIDE MANWAY STUDS/NUTS	****		NDE-5712-CC	VT	CC04-IV-014	Accept	064	U-1 A-5	4/11/2004
104550 Comments:	30-RC-11B - 7 No leakage noted.	ELBOW TO SAFE END	R-A	R1.20	NDE-5710-CC	VT	CC04-IV-010	Accept	064	12034-0004, -0008	4/13/2004
107600 Comments:	30-RC-12A - 10 No leakage noted	SAFE END TO PIPE	R-A	R1.20	NDE-5710-CC	VT	CC04-IV-016	Accept	064	12034-0004, -0008	4/15/2004
110450 Comments:	12-PSL - 1 No leakage noted	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT	CC04-IV-018	Accept	064	60798, 12024-0009	4/11/2004
110850 Comments:	12-PSL - 8 NO RECORDABLE INDICATIONS NOT	ELBOW TO PIPE ED	R-A	R1.11	NDE-5412-CC	υT	CC04-IU-002	Accept	064	60798, 12024-0009	4/27/2004
110900 Comments:	12-PSL - 9 INDICATIONS WERE INTERMITTENT	PIPE TO ELBOW 360 DEGREES AROUND WELD	R-A	R1.11	NDE-5412-CC	UΤ	CC04-IU-028	Accept	064	60798, 12024-0009	4/27/2004
111100 Comments:	12-PSL -13(star) No leakage noted	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT	CC04-IV-009	Accept	064	60798, 12024-0009	4/13/2004

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

Summary No.	Comp ID	Comp Desc.	Categor	tem	Procedure	Metho	od/Sheet/Results	System	ISO Num	Exam Date
113150 Comments:	12-SC-1004 - 1(star) No leakage noted	NOZZLE TO SAFE END	R-A	R1.20	NDE-5710-CC	VT CC	C04-IV-008 Accept	052	91101, 91148	4/10/2004
114350 Comments:	12-SI-1009 - 16 no leakage noted	SAFE END TO NOZZLE	R-A	R1.20	NDE-5710-CC	VT CC	C04-IV-021 Accept	052	91100	4/14/2004
116000 Comments:	12-SI-1011 - 13 No leakage noted	NOZZLE TO SAFE END	R-A	R1.20	NDE-5710-CC	VT C	C04-IV-017 Accept	052	91100SH0003	4/15/2004
118300 Comments:	4-PS-1003 - 2 ID ROOT GEOMETRY WILL CONSI	TEE TO ELBOW DER THIS WELD FOR RELIEF REQUEST B	R-A ASED ON L	R1.11 IMITED CO	NDE-5412-CC OVERAGE	ит со	C04-IU-029 Accept	084	91099SH0002	4/27/2004
118500 Comments:	4-PS-1003 - 6 No indications noted	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT C	C04-IV-004 Accept	084	91099SH0002	4/10/2004
123100 Comments:	4-SR-1005 - 1 No leakage noted	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT C	C04-IV-022 Accept	064	91098SH0002	4/16/2004
123450 Comments:	4-SR-1006 - 1 No leakage noted	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT C	C04-IV-023 Accept	064	91098SH0001	4/16/2004
124210 Comments:	2.5-SR-1004 - 2A This was a preservice examination th	PIPE TO PIPE e original report was filed with the MO packag	R-A e.	B9.21	NDE-5210-CC	PT C	C04-IP-011 Accept	084	91098SH0001	4/23/2004
126300 Comments:	2-CV-1003 - 13 NO RECORDABLE INDICATIONS N	PIPE TO PIPE OTED	R-A	R1.20	NDE-5412-CC	UT C	C04-IU-030 Accept	041	FSK-MP-490	4/30/2004
129750 Comments:	2-CV-1005 - 17 WILL CONSIDER FOR RELIEF REC	ELBOW TO PIPE QUEST SUBMITAL DUE TO LIMITED COVER	R-A RAGE	R1.20	NDE-5412-CC	UT C	C04-IU-012 Accept	041	FSK-MP-492	4/17/2004
129800 Comments:	2-CV-1005 - 18 NO RECORDABLE INDICATIONS N	ELBOW TO PIPE IOTED	R-A	R1.20	NDE-5412-CC	UT C	C04-IU-013 Accept	041	FSK-MP-492	4/17/2004
129950 Comments:	2-CV-1005 - 21 Root geometry seen intermittently 38	PIPE TO PIPE 0 degrees at low amplitudes.	R-A	R1.20	NDE-5412-CC	UT C	C04-IU-033 Accept	041	FSK-MP-492	4/17/2004
130000 Comments:	2-CV-1005 - 22 ROOT GEOMETRY INDICATIONS N	PIPE TO PIPE NOTED	R-A	R1.20	NDE-5412-CC	UT C	C04-IU-035 Accept	041	FSK-MP-492	4/17/2004
130450 Comments:	2-CV-1005 - 29 No leakage noted	NOZZLE TO SAFE END	R-A	R1.11	NDE-5710-CC	VT C	C04-IV-020 Accept	041	FSK-MP-492	4/14/2004
131250 Comments:	2-DR-1003 - 1A NO RECORDABLE INDICATIONS N	SAFE END TO PIPE IOTED	R-A	R1.20	NDE-5412-CC	UT C	C04-IU-036 Accept	064	FSK-MP-575, -575H	4/18/2004
131500 Comments:	2-DR-1004 - 1 No leakage noted	NOZZLE TO SAFE END DRAIN LINES	R-A	R1.20	NDE-5710-CC	VT C	C04-IV-008 Accept	064	FSK-MP-1053, -1053H	4/12/2004
132150 Comments:	2-DR-1006 - 1 No leakage noted	NOZZLE TO SAFE END DRAIN LINES	R-A	R1.20	NDE-5710-CC	VT C	C04-IV-019 Accept	064	FSK-MP-1006, -1008H	4/14/2004

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

Summary No.	Comp ID	Comp Desc.	Categor I	Item	Procedure	Meth	od/Sheet/Re	sults	System	ISO Num E	xam Date
132450 Comments:	2-DR-1007 - 1 No leakage noted	NOZZLE TO SAFE END DRAIN LINES	R-A F	R1.20	NDE-5710-CC	VT C	C04-IV-007 Ac	ccept	064	FSK-MP-597	4/12/2004
133200 Comments:	11A-1 NO RECORDABLE INDICATIONS NOTE	INTEGRAL ATTACHMENT RCP-11A ED	B-K 6	B10.30	NDE-5210-CC	РТ С	C04-IP-020 Ac	ocept	064	A-33	4/22/2004
133250 Comments:	11A-2 NO RECORDABLE INDICATIONS NOTE	INTEGRAL ATTACHMENT RCP-11A ED	B-K I	B10.30	NDE-5210-CC	PT C	:C04-IP-021 Ac	ccept	064	A-33	4/22/2004
133500 Comments:	11A-C-1 THROUGH 18 No recordable indications noted	RCP-11A SEAL BOLTING	B-G-2 i	B7.60	NDE-5712-CC	VT C	:C04-IV-080 Ad	ccept	064		4/23/2004
134050 Comments:	11B-C-1 THROUGH 16 No recordable indications noted	RCP-11B SEAL BOLTING	B-G-2 (B7.60	NDE-5712-CC	VT C	C04-IV-081 A	ccept	064		4/23/2004
134600 Comments:	12A-C-1 THROUGH 16 No recordable indications noted	RCP-12A SEAL BOLTING	B-G-2	B7.60	NDE-5712-CC	VT C	CO4-IV-064 A	ccept	064		4/27/2004
135150 Comments:	12B-C-1 THROUGH 16 No recordable indications noted	RCP-128 SEAL BOLTING	B-G-2	B7.60	NDE-5712-CC	VT C	CC04-IV-063 A	ccept	064		4/27/2004
135235 Comments:	1-CV-100F-1 No recordable indications noted.	PRESSURIZER SPRAY VALVE LOWER	R B-M-1	B12.30	NDE-5210-CC	PT C	CO4-IP-002 A	ccept	064	91099SH0002	4/27/2004
135240 Comments:	1-CV-100F-2 No recordable indications noted.	PRESSURIZER SPRAY VALVE UPPER	R B-M-1	B12.30	NDE-5210-CC	PT C	C04-IP-003 A	ccept	064	91099SH0002	4/27/2004
136150 Comments:	1-MOV-614 ON 12-SI-1009 No material loss. No signs of Boric Acid	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT C	C04-IV-038 A	ccept	052	91100	4/15/2004
136200 Comments:	1-MOV-624 ON 12-SI-1010 No recordable indications noted	VALVE BODY BOLTING	B-G-2	8 7.70	NDE-5712-CC	VT C	CC04-IV-039 A	ccept	052	91100SH0002	4/15/2004
136250 Comments:	1-MOV-834 ON 12-SI-1011 No recordable indications noted	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT C	CC04-IV-040 A	ccept	052	91100SH0003	4/15/2004
136300 Comments:	1-MOV-844 ON 12-SI-1012 No recordable indications noted	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT (CC04-IV-031 A	ccept	052	91100\$H0004	4/20/2004
136450 Comments:	1-MOV-403 ON 2.5-SR-1003 No recordable indications noted.	VALVE BODY BOLTING	B-G-2	87.70	NDE-5712-CC	VT (CC04-IV-030 A	ccept	064	91098SH0002	4/27/2004
136500 Comments:	1-MOV-405 ON 2.5-SR-1004 No recordable indications noted	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT (CC04-IV-085 A	ccept	064	91098SH0001	4/27/2004
136550 Comments:	1-CV-517 ON 2-CV-1003 No recordable indications noted	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT (CC04-IV-034 A	ccept	041	FSK-MP-490	4/20/2004
136600 Comments:	1-CVC-389 ON 2-CV-1003 No bolting on this valve.	VALVE BODY BOLTING	B-G-2	B7.70	NDE-5712-CC	VT (CC04-IV-033 A	ccept	041	FSK-MP-490	4/20/2004
136650 Comments:	1-CVC-185 ON 2-CV-1003 There was no bolting associated with thi	VALVE BODY BOLTING s valve.	B-G-2	B7.70	NDE-5712-CC	VT (CC04-IV-032 A	Accept	041	FSK-MP-490	4/20/2004

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

Summary No.	Comp ID	Comp Desc.	Categor Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
136850 Comments:	1-CVC-392 ON 2-CV-1005 No valve bolting on this valve.	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-068 Accept	041	FSK-MP-492	4/15/2004
137100 Comments:	1-CV-515 ON 2-LD-1004 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-058 Accept	041	FSK-MP-455, -458	4/27/2004
137200 Comments:	1-CV-516 ON 2-LD-1002 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-059 Accept	041	FSK-MP-455, -456	4/27/2004
137250 Comments:	1-CV-518 ON 2-CV-1004 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-041 Accept	041	FSK-MP-401	4/15/2004
137300 Comments:	1-CV-519 ON 2-CV-1005 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-042 Accept	041	FSK-MP-492	4/15/2004
137650 Comments:	1-SI-217 ON 12-SI-1009 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-078 Accept	052	91100	4/20/2004
137700 Comments:	1-SI-227 ON 12-SI-1010 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-079 Accept	052	91100SH0002	4/20/2004
137750 Comments:	1-SI-247 ON 12-SI-1012 No recordable indications noted.	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-080 Accept	052	91100SH0004	4/27/2004
137800 Comments:	1-SI-237 ON 12-SI-1011 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-081 Accept	052	91100SH0003	4/27/2004
137850 Comments:	1-MOV-851 ON 14-SC-1004 No indications noted.	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT 2004BV028 Accept	052	91101, 91148	3/1/2004
137900 Comments:	1-MOV-652 ON 12-SC-1004 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-062 Accept	052	91101, 91146	4/27/2004
137950 Comments:	1-SI-118 ON 6-SI-1001 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-043 Accept	052	91100	4/15/2004
138000 Comments:	1-SI-128 ON 6-SI-1002 Slight corrosion, no material loss noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-069 Accept	052	91100SH0002	4/15/2004
138050 Comments:	1-SI-138 ON 6-SI-1003 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-070 Accept	052	91100\$H0003	4/15/2004
138100 Comments:	1-SI-148 ON 6-SI-1004 No recordable indications noted	VALVE BODY BOLTING	B-G-2 B7.70	NDE-5712-CC	VT CC04-IV-036 Accept	052	91100SH0004	4/20/2004
138630 Comments:	2.5-SR-1007 - 2FB No recordable indications noted	INLET FLANGE BOLTING	B-G-2 87.50	NDE-5712-CC	VT CC04-IV-067 Accept	064	91098SH0002	4/27/2004
138640 Comments:	2.5-SR-1008 - 2FB No indications noted	INLET FLANGE BOLTING	B-G-2 B7.50	NDE-5712-CC	VT CC04-IV-066 Accept	084	91098SH0001	4/27/2004

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

Summary No.	Comp (D	Comp Desc.	Catego	tem	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
138650 Comments:	PRESSURE RETAINING COMPONENT No Indications noted.	REACTOR PRESSURE VESSEL	в₽	B15.10	NDE-5710-CC	VT CC04-IV-164 Accept	064-A	6072SH0001	5/7/2004
138750 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	PRESSURIZER	B-P	B15.20	NDE-5710-CC	VT CC04-IV-185 Accept	064	60729\$H0001	5/7/2004
138850 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	STEAM GENERATORS	в-Р	B15.30	NDE-5710-CC	VT CC04-IV-166 Accept	064	60729SH0001	5/7/2004
138950 Comments:	PRESSURE RETAINING COMPONENT No Indications noted.	HEAT EXCHANGERS	B-P	B15.40	NDE-5710-CC	VT CC04-IV-167 Accept	064	60729SH0001	5/7/2004
139050 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	PIPING	в-Р	B15.50	NDE-5710-CC	VT CC04-IV-168 Accept	064 052 041	60729SH0001/60730/ 60731	5/7/2004
139150 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	PUMPS	8-P	B15.60	NDE-5710-CC	VT CC04-IV-169 Accept	064	60729SH0001	5/7/2004
139250 Comments:	PRESSURE RETAINING COMPONENT Minor packing leakage noted on several	VALVES valves corrected on the spot under IR4-02	B-P 8-895.	B15.70	NDE-5710-CC	VT CC04-IV-170 Accept	052 041	60730 & 60731	5/7/2004
600250 Comments:	12-PSL - H-1 No recordable indications	COMPONENT SUPPORT	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-050 Accept	084	12024-9 REV 11	4/23/2004
603550 Comments:	3-PS-1001 - H-12 NO RECORDABLE INDICATIONS NOT	COMPONENT SUPPORT ED	F-A	F1.10A	NDE-5711-CC	VT CC04-IV-082 Accept	064	91099\$H0001, \$H0002	4/20/2004
605350 Comments:	2-LD-1004 - R-4 (1-64-35) No recordable indications noted.	COMPONENT SUPPORT-SNUBBER	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-180 Accept	041	FSK-MP-455, -456	4/19/2004
605400 Comments:	2-LD-1004 (1-84-31) No recordable indications noted.	COMPONENT SUPPORT-SNUBBER	F-A	F1.10C	NDE-5711-CC	VT CC04-IV-181 Accept	041	FSK-MP-455, -458	4/19/2004
605600 Comments:	2-CV-1003 - H-26, R-32 NO RECORDABLE INDICATIONS NOT	CONPONENT SUPPORT ED	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-057 Accept	041	FSK-MP-490	4/27/2004
605650 Comments:	2-CV-1003 - H-27, R-33 NO RECORDABLE INDICATIONS	CONPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-058 Accept	041	FSK-MP-490	4/27/2004
606600 Comments:	2-CV-1005 - R-13, R-14 No relevant conditions noted.	COMPONENT SUPPORT	F-A	F1.10B	NDE-5711-CC	VT CC04-IV-027 Accept	041	FSK-MP-492	5/1/2004
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 reve	aled no recordable indications.			NDE-5711-CC	VT CC04-IV-026 Info	041	FSK-MP-492	4/22/2004
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 reve	aled no recordable indications.			NDE-5711-CC	VT CC04-IV-025 Info	041	FSK-MP-492	4/18/2004

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

Summary No.	Comp ID	Comp Desc.	Categor Item	Procedure	Method/Sheet/Results	System _	ISO Num	Exam Date_
606800	2-CV-1005 - H-14	COMPONENT SUPPORT	F-A F1.10E	NDE-5711-CC	VT CC04-IV-188 Accept	041	FSK-MP-492	5/1/2004
				NDE-5711-CC	VT CC04-IV-028 Info	041	FSK-MP-492	4/22/2004
Comments:	Re-examination following lead remove	al revealed no recordable indications.						
607900	11A-1SC	COMPONENT SUPPORT	F-A F1.400		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 r	escheduled to verify loads.			
607950	11A-2SC	COMPONENT SUPPORT	F-A F1.400		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 r	escheduled to verify loads.			
608000	11A-3SC	COMPONENT SUPPORT	F-A F1.400		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 r	escheduled to verify loads.			
608050	11A-4SC	COMPONENT SUPPORT	F-A F1.400		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 r	escheduled to verify loads.			
608075	1-64-096	COMPONENT SUPPORT	F-A F1.400	NDE-5711-CC	VT CC04-IV-049 Accept	064-B		4/23/2004
Comments:	NO RECORDABLE INDICATIONS N	IOTED						
608080	1-64-097	COMPONENT SUPPORT	F-A F1.400	NDE-5711-CC	VT CC04-IV-048 Accept	064-B		4/23/2004
Comments:	NO RECORDABLE INDICATIONS N	KOTED						
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:		Consider for relief request submittal. No						
300400	24-SI-1201 - 4	ELBOW TO PIPE	R-A R1.20	NDE-5412-CC	UT 2004BU002 Accept	052	91097SH0012	2/4/2004
•	hts			NDE-5210-CC	PT 2004BP011 Accept	052	91097SH0012	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	052	91097SH0012	2/2/2004
Comments:	INITIAL EXAM IDENTIFIED WELD:	SPATTER AND AN ARC STRIKE WHICH	H INTERFERED WITH C	NDE-5210-CC OMPLETION OF THE	PT CC04-IP-022 Accept EXAM FOLLOWUP EXAM HAD	052 NO RECORDA!	91097SH0012 BLE INDICATIONS.	6/30/2004
301600 Comments:	24-SI-1202 - H-22 No recordable indications noted	INTEGRAL ATTACHMENT	C-C C3.20	NDE-5210-CC	PT CC04-IP-001 Accept	052	91097SH0013	3/18/2004
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 N	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 I	NOTED						
							91097SH0026, 91168,	
311300 Comments:	12-SI-1214 - 22 Previously recorded indication is not	PIPE TO ELBOW recordable under current Code.	R-A R1.20	NDE-5412-CC	UT 2004BU018 Accept	052	91109	3/10/2004

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

Summary No.	Comp ID	Comp Desc.	Categor It	tem	Procedure	Method/	Sheet/Results_	System	ISO Num	Exam Date
312250	12-SI-1216 - 1	TEE TO PIPE	R-A R	1.20	NDE-5210-CC	PT 2004	BP015 Accept	052	91097\$H0006, 91110	2/6/2004
					NDE-5412-CC	UT 2004	BU003 Accept	052	91097\$H0006, 91110	2/6/2004
Comments:	Consider for relief request due to limited	d coverage on UT. No recordable indication	ns noted.				,		•	
333550	6-Si-1217 - 3	ELBOW TO PIPE	R-A R	R1.20	NDE-5412-CC	LIT 2004	BU014 Accept	052	91110	3/4/2004
Comments:	NO RECORDABLE INDICATIONS NO					5 . 255.	DOUTY MODEL	V.L.	51110	W-42504
333900	6-SI-1217 - 9	PIPE TO ELBOW	R-A R	R1.20	NDE-5412-CC	UT 2004	BU019 Accept	052	91110	3/10/2004
Comments:	No Indications Noted							V		- 10200
338850	4-SI-1209 - 1	BRANCH CONNECTION TO ELBOW	R-A R	R1.20	NDE-5210-CC	PT 2004	BP012 Accept	052	91169	2/5/2004
					NDE-5412-CC	UT 2004	BU005 Accept	052	91169	2/5/2004
Comments:	Relief Request reguired due to only 505	% coverage.								
339350	4-SI-1209 - 10	ELBOW TO PIPE	R-A R	R1.20	NDE-5412-CC	UT 2004	BU001 Accept	052	91169	2/5/2004
					NDE-5210-CC		BP013 Accept	052	91169	2/5/2004
Comments:	UT exam coverage limited to 91.5% du	e to loss of contact on intradose of elbow.					·			
									91172, 91097SH0002,	
403350	8-CS-1205 - 3	PIPE TO ELBOW	R-A R	₹1.20	NDE-5412-CC	UT 2004	BU024 Accept	061	91145	3/16/2004
Comments:	NO RECORDABLE INDICATIONS NO	TED								
									91172, 91097SH0002,	
403400	8-CS-1205 • 4	ELBOW TO ELBOW	R-A R	₹1.20	NDE-5412-CC	UT 2004	BU025 Accept	061	91145	3/16/2004
Comments:	NO RECORDABLE INDICATIONS NO	TED								
									91172, 91097SH0002,	
403550	8-CS-1205 - 6	PIPE TO ELBOW	R-A R	R1.20	NDE-5412-CC	UT 2004	BU026 Accept	061	91145	3/16/2004
Comments:	NO RECORDABLE INDICATIONS NO	TED								
403650	8-CS-1205 - 8	PIPE TO ELBOW	R-A R	R1.20	NDE-5412-CC	IT 2004	BU020 Accept	081	91172, 91097SH0002, 91145	3/11/2004
Comments:	No Indications Noted	2 .0 2230,		20		01 2004	DOUZO ACCOPI	001	07140	G/1//2004
408550	8-CS-1206 - 20	PIPE TO ELBOW	R-A F	₹1.20	NDE-5412-CC		I-IU-034 Accept	061	91097SH0007, 91173	5/3/2004
					NDE-5210-CC		I-IP-019 Accept	061	91097\$H0007, 91173	5/3/2004
Comments:	ID GEOMETRIC INDICATIONS NOTE	B			NDE-5412-CC	UT 2004	BU012 Accept	061	91097SH0007, 91173	3/4/2004
Gorano.		-								
408950	8-CS-1206 - 27	ELBOW TO PIPE	R-A F	R1.20	NDE-5412-CC	UT 2004	BU004 Accept	061	91097SH0007, 91173	2/7/2004
					NDE-5210-CC		BP014 Accept	061	91097SH0007, 91173	2/8/2004
Comments:	No recordable indications noted.									
									91097SH0011, 91166,	
412950	14-SC-1203 - 26	PIPE TO TEE	R-A F	₹1.20	NDE-5412-CC	UT 2004	BU021 Accept	052	91148	3/12/2004
Comments:	No Indications Noted									
413000	14-SC-1204 - 1	TEE TO PIPE	R-A F	₹1.20	NDE-5412-CC	UT 2004	BU022 Accept	052	91097SH0001	3/12/2004
Comments:	No Indications Noted	, ,		29		J. 2007	pover unahi	V-)E	J.03/G10001	G 12/2004
413100	14-SC-1204 - 2	PIPE TO ELBOW	R-A F	₹1.20	NDE-5412-CC	UT 2004	BU015 Accept	052	91097SH0001	3/8/2004
Comments:	ID Root Geometry noted. No recordab	ie indictions noted.								

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

Plant Unit: 1

Summary No.	Comp ID	Comp Desc.	Catego	r Item	Procedure	Method/Sh	eet/Results_	System	ISO Num	Exam Date
413150 Comments:	14-SC-1204 - 3 ID Root Geometry noted. No recordable	ELBOW TO ELBOW indictions noted.	R-A	R1.20	NDE-5412-CC	UT 2004BU	016 Accept	052	91097SH0001	3/8/2004
417200 Comments:	10-SC-1214 - 1 Will consider for relief request due to UT	TEE TO PIPE coverage.	R-A	R1.20	NDE-5412-CC	UT 2004BU	017 Accept	052	91097\$H0001, SH0005	3/4/2004
417950 Comments:	10-SC-1214 - 13 NO RECORDABLE INDICATIONS NOT	ELBOW TO PIPE ED	R-A	R1.20	NDE-5412-CC	UT CC04-IL	-004 Accept	052	91097SH0001, SH0005	3/24/2004
419150 Comments:	8-SC-1206 - 1A NO RECORDABLE INDICATIONS NOT	PIPE TO ELBOW ED.	R-A	R1.20	NDE-5412-CC	UT 2004BU	013 Accept	052	91097\$H0011	3/4/2004
421400	1/6-RV-3993	BRANCH CONNECTION	C-F-2	HELB	NDE-5110-CC		1-006 Accept	083	60345SH0001	4/17/2004
Comments:	To be considered for relief request due to	o coverage.			NDE-5411-CC	UT CC04-II	I-021 Accept	083	60345SH0001	4/23/2004
422350	1/6-RV-4001	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-II	A-005 Accept	083	60345\$H0001	4/17/2004
Comments:	Will consider for relief request due to UT	coverage.			NDE-5411-CC	UT CC04-II	I-022 Accept	083	60345SH0001	4/23/2004
422400	1/8-RV-4002	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-II	A-007 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT				NDE-5411-CC		I-020 Accept	083	60345SH0001	4/23/2004
	,	<u>-</u>						***		4477004
422450	1/6-RV-4003	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC NDE-5411-CC		#-004 Accept F-019 Accept	083 083	60345SH0001 60345SH0001	4/17/2004 4/23/2004
Comments:	Will consider for relief request due to UT	coverage.			1100	0. 000***	, o i o i i acopi			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
422500	1/8-RV-4004	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC		A-003 Accept	083	60345SH0001	4/17/2004
Comments:	Will consider for relief request due to UT	coverage.			NDE-5411-CC	UT CC04-II	I-024 Accept	063	60345SH0001	4/23/2004
422550	1/8-RV-4005	6-IN. BRANCH CONNECTION	AUGMT	HELB	NDE-5110-CC	MT CC04-II	A-002 Accept	083	60345SH0001	
Comments:	Will consider for relief request due to UT	Conversing			NDE-5411-CC	UT CC04-II	I-023 Accept	083	60345SH0001	4/23/2004
Comments.	(m op. 5. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	oo to ago.								
433500	18-FW-1218 - R-3	INTEGRAL ATTACHMENT	C-C	C3.20	NDE-5110-CC	MT CC04-I	VI-010 Accept	045	91093	4/28/2004
					NDE-5413-CC		J-016 Accept	045	91093	4/22/2004
					NDE-5403-CC	UT CC04-II		045	91093	4/28/2004
Comments:	The rejectable surface indication was for	und to be acceptable using supplementa	l volumetric te	chniques a	NDE-5110-CC and the depth was ve		vi-008 Reject han 1/32" by ph	045 ysical removal of t	91093 the indication.	4/21/2004
433550 Comments:	16-FW-1218 - 8 ID ROOT GEOMETRY INDICATIONS R	PIPE TO PIPE NOTED	R-A	R1.20	NDE-5411-CC	UT CC04-II	J-010 Accept	045	91093	4/13/2004
								036 041 045		
436050 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	T SYSTEM LEAKAGE TEST	сн	C7.10	NDE-5710-CC	VT CC04-F	/-171 Accept	083	VARIOUS	5/7/2004

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

Summary No.	Comp ID	Comp Desc.	Catego	tem	Procedure	Me	thod/Sheet/	Results	System	ISO Num	Exam Date
436150 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	PIPING	сн	C7.30	NDE-5710-CC	VΤ	CC04-IV-172	Accept	PRESSURE RETAINING COMPONENTS	VARIOUS	5/7/2004
436250 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	PUMPS	С-Н	C7.50	NDE-5710-CC	vī	CC04-IV-179	Accept	PRESSURE RETAINING COMPONENTS	VARIOUS	5/7/2004
436350 Comments:	PRESSURE RETAINING COMPONENT No indications noted.	VALVES	С-Н	C7.70	NDE-5710-CC	VΤ	CC04-IV-174	Accept	PRESSURE RETAINING COMPONENTS	VARIOUS	5/7/2004
700900 Comments:	SCHE-11-S1 No recordable indications noted.	COMPONENT SUPPORT	F-A	F1.40B	NDE-5711-CC	VΤ	CC04-IV-183	Accept	052	B-3 / 12015-0012	7/20/2004
701000 Comments:	SCHE-12-S1 No recordable indications noted.	COMPONENT SUPPORT	F-A	F1.40B	NDE-5711-CC	VΤ	2004BV004	Accept	052		2/9/2004
701250 Comments:	24-SI-1001 - R-7 The as found conditions were accepted in	COMPONENT SUPPORT n accordance with ES200400128 Supp No	F-A . 000.	F1.20B	NDE-5711-CC	vr	2004BV003	Accept	052	91097SH0012	2/2/2004
701450 Comments:	24-SI-1202 - H-22 NO RECORDABLE INDICATIONS NOTI	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VΤ	2004BV034	Accept	052	91097SH0013	3/18/2004
704450 Comments:	12-SI-1004 • H-2 No recordable indications noted	COMPONENT SUPPORT	F-A	F1.208	NDE-5711-CC	VΤ	CC04-IV-073	Accept	052	91097SH0026, 91168, 91109	3/10/2004
704750 Comments:	10-SI-1002 - R-12 No Recordable Indications	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VΤ	CC04-IV-001	Accept	052	91097SH0026	3/29/2004
708250 Comments:	6-Si-1010 - H-3 Issue Report #IR4-009-424 was witten to	COMPONENT SUPPORT evaluate the as found conditions. ES200	F-A 400221 Sup	F1.20A op No. 0 ac	NDE-5711-CC cepted the as found of		2004BV025 ion and directe	•	052 s to be changed.	91143, 91100SH0001	3/1/2004
708950 Comments:	6-SI-1012 - R-2 No recordable indications noted.	COMPONENT SUPPORT	F-A	F1.20A	NDE-5711-CC	VT	2004BV024	Accept	052	91144, 91100SH0002	3/1/2004
711700 Comments:	4-SI-1208 - H-11,R-9 No recordable indications noted.	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VΤ	2004BV028	Accept	052	91097SH0016, SH0017	3/4/2004
711750 Comments:	4-SI-1206 - H-10, R-8 NO RECORDABLE INDICATIONS NOTI	COMPONENT SUPPORT ED	F-A	F1.20B	NDE-5711-CC	VT	CC04-IV-071	Accept	052	91097SH0016, SH0017	3/25/2004
717850 Comments:	2-SI-1226 • S-1 No recordable indications noted.	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT	2004BV016	Accept	052	FSK-MP-432	2/24/2004
717900 Comments:	2-SI-1226 - S-2 Issue Report # IR4-009-422 was written the as built conditions.	COMPONENT SUPPORT to evaluate the as found conditions. ES20	F-A 10400154 S	F1.20B upp No. 0 ex	NDE-5711-CC valuated the as found		2004BV017 litions and four		052 acceptable and di	FSK-MP-432 irected the drawing to be up	2/24/2004 pdated to reflect
717950 Comments:	2-SI-1226 - S-3	COMPONENT SUPPORT to evaluate the as found conditions. ES20	F-A 0400154 S	F1.20B upp No. 0 ev	NDE-5711-CC valuated the as found		2004BV018 litions and four		052 acceptable and d	FSK-MP-432 irected the drawing to be u	2/24/2004 pdated to reflect
718300 Comments:	8-CS-1203 - R-3 Concrete damage is not service induced	COMPONENT SUPPORT-SNUBBER No recordable indications noted.	F-A	F1.20C	NDE-5711-CC	VT	2004BV002	Accept	061	91097SH0005	2/9/2004

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

Summary No.	Comp ID	Comp Desc.	Catego	n Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
718800 Comments:	8-CS-1205 - H-5, R-3 Clearances found were acceptable in a	COMPONENT SUPPORT coordance with ES-002.	F-A	F1.20A	NDE-5711-CC	VT 2004BV033 Accept	061	91172, 91097SH0002, 91	3/16/2004
721550 Comments:	14-SC-1203 - A-270 No recordable indications noted.	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT 2004BV001 Accept	052	91097SH0011, 91166, 91	2/8/2004
721950 Comments:	14-SC-1204 - H-5, R-4 SOME MINOR COATINGS DAMAGE (COMPONENT SUPPORT ON RESTRAINT NOTED	F-A	F1.20A	NDE-5711-CC	VT 2004BV031 Accept	052	91097SH0001	3/8/2004
722300 Comments:	14-SC-1204 - R-1 No recordable indications	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-002 Accept	052	91097SH0001	3/29/2004
722750 Comments:	12-SC-1208 - H-3 NO RECORDABLE INDICATIONS NO	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-072 Accept	052	91097\$H0002, \$H0006	3/25/2004
723500 Comments:	10-SC-1214 - H-8, R-7 NO RECORDABLE INDICATIONS NO	COMPONENT SUPPORT TED	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-003 Accept	052	91097SHŐ001, SH0005	3/18/2004
725750 Comments:	34-MS-1204 - H-6 NO RECORDABLE INDICATIONS NO	COMPONENT SUPPORT-VARIABLE TED	F-A	F1.20C	NDE-5711-CC	VT CC04-IV-075 Accept	083	60345SH0001	4/19/2004
725800 Comments:	34-MS-1204 - R-8 NO RECORDABLE INDICATIONS NO	COMPONENT SUPPORT TED	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-076 Accept	063	60345SH0001	4/20/2004
725950 Comments:	34-MS-1205 - H-1 NO RECORDABLE INDICATIONS NO	COMPONENT SUPPORT-VARIABLE TED	F-A	F1.20C	NDE-5711-CC	VT CC04-IV-077 Accept	083	60345SH0001	4/19/2004
726800 Comments:	6-MS-1208 - R-2 No recordable indications,	COMPONENT SUPPORT	F-A	F1.20B	NDE-5711-CC	VT CC04-IV-015 Accept	063	60345SH0001, SH0002	4/9/2004
727200 Comments:	16-FW-1218 - R-3 No recordable indications.	COMPONENT SUPPORT-SNUBBER	F-A	F1.20C	NDE-5711-CC	VT CC04-IV-037 Accept	045	91093	4/21/2004

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	"你说来要到 ELV"。	XI Class
1199700129	97-1-027	1MOV658	Two
1200200636	2003-1-047a	1CKVCVC-187	One
120020000	2003-1-047b	1#CC5-1005	One
1200200640	2003-1-048a	1CKVCVC-184	Two
1200200040	2003-1-048b	1#CC7-1009	Two
1200200641	2003-1-049a	1CKVCVC-435	One
1200200041	2003-1-049b	1#CC5-1006	One
1200202505	2002-1-049b	1HVCVC-172	Two
1200202000	2002-1-049c	1#CC7-1002	Two
1200202602	2002-1-033	1PUMPRC11B(s)	One
1200202689	2002-1-050a	1CKVCVC-171	Two
1200202009	2002-1-050b	1#CC7-1002	Two
1200202762	2002-1-051	1CV100F	One
1200203109	2003-1-046a	1CKVSI-426	Two
1200203109	2003-1-046b	1#DC2-1003	Two
1200203364	2003-1-056	1RV200	One
1200203304	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
1200203900	2003-1-008a	1#CC10-1008	One
1200204093	2003-1-057	1ERV404	One
1200204083	2003-1-057a	1#CC10-1004	One
1200204377	2003-1-058	1ERV402	One
1200204311	2003-1-058a	1#CC10-1003	One
1200204580	2002-1-052	1RV200	One
1200207000	2002-1-062	1#CC10-1007	One
1200204888	2002-1-060		One
	2003-1-022b		Two
1200205233	2003-1-022c	1HVCVC-166	Two
	2003-1 - 022a	1CKVCVC-165	Two
	2003-1-052c	1HVCVC-178	Two
1200205235	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
120020332	2003-1-023a	1MOV403	One
	2003-1-024a	1MOV405	One
1200205334	2003-1-024c	1#CC10-1002-R12	One
	2003-1-024b		One

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

MWO.No.	R&R Number	海索等UEL 至57组	XI 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
1200400341	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	_	
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, MW	O No. 1199700	129
(address)		(P.O. no	., job по., etc.)	
3 Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Cod	le Symbol St	tamp: <u>N/A</u>	
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	— Authoriza	tion No.: <u>N</u>	<u> </u>	
, ,	Exp Date	<u>N/A</u>		
1650 Calvert Cliffs Parkway, Lusby, Md. 20657	Section X	I Class:	Two	
(address)				
4. Identification of System: System Number <u>052</u> System Name: <u>S</u>	afety Inject	ion		
5. (a) Applicable Construction Code and Class: ASME Draft Code for F Add; Class 2	Pumps & V	alves, 196	8 Edition, Mar	ch 1970
(b) Applicable Sect XI Ed. for Repairs/Replacement	199	B Edition		
6. Identification of Components Repaired or Replaced and Replacement Comp	onents:	-		ASME
			Repaired,	Code
Name of Manufacturers National	Other		ear Replaced, or	
Componet Manufacturer Serial Number Board No.	Identification	B	uilt Replacemen	(Yes or No
Co. system su	ssure Safety Inje apply to Shut Do Heat Exchangers valve	wn	75 Repaired/Repi aced	No
		•	•	
7. Description of Work:				
Dood pad of 11 of the	44. 1	1MOV-65	R Low Pressure	a
This plan was for the pluging of the leak off line and seal welding t	the hilla on		o, Low 1 1000an	•
Safety Injection system supply to Shut Down Cooling Heat Exchar		on valve.	Functional:	
This plan was for the pluging of the leak off line and seal welding to Safety Injection system supply to Shut Down Cooling Heat Exchar 8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Pressure: N/A psi. Test Temperature	ngers isolati	on valve.	Functional:	

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 rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 5/4/2004 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 $(-12-97)$ to $(-26-04)$, 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.
John Mouris Commissions: NB 9831 ANTE, MO. 1171
Inspector's Signature Date: May 4 200 4 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 Cli	fs Nuclear Powe	er Plant, In	C. D.	te: 6/15/2	2004		
1. Owner.		(name)						
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	Sh	eet 1 of 2			
		(address)					•	
2. Plant:	Calvert Cl	ffs Nuclear Pow	er Plant	Un	_{it:} One			
		(name)						
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R No.	2003-1-04	17a, MV	/O No. 1200	200636
		(address)			(P.O. no., joi	no., etc.)	
2 Warls Barfarm	Calver	t Cliffs Nuclear I	Power Plan	nt Dept. Ty	pe Code Sym	bol Stam	p: <u>N/A</u>	
3. Work Perform	ned by:	(name)		Au	thorization N	o.: <u>N/A</u>		
				Ex	p Date: N/A	4		
1650 Calvert	Cliffs Parkway	, Lusby, MD 200	557 	Sec	ction XI Class	s:0	ne	
		(address)					- •	
4. Identification	of System: Syste	m Number 041	System Na	me: Chemic	cal Volume	Contro	01	
5.(a) Applicable	Construction Code		E Draft Co Class 1	de for Pump	s & Valves	, 1968 I	Edition, Mai	ch 1970
(b) Applicable	Sect XI Ed. for Re	pairs/Replacement			1998 Edit	tion		
6. Identification	of Components Re	paired or Replaced a	nd Replaceme	ent Components:			Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Otl Identifi			Replaced, or Replacemen	Stamped
Valve	Velan Engineering Co.	SN: 335	N/A	#11 Regen. Heat R RCS Cold Leg Lo		1975	Repaired/Repl	Yes
Check Valve	Enertech Inc.	408934 SN: 11269	N/A	Valve, Nozzle Ch lb., Large Groove Enertech, Tp. KR 212M3N)	connections,	2002	Replacement	Yes
7. Description of \	Work:							
•	or the work nee	eded to replace 1-	CKVCVC-1	187, #11 Rege	en. Heat Ex	ch. to#	11A RCS C	old Leg
3. Tests Conducted	d: Hydrostatic:	Pneumatic No	minal Operating	Pressure: Inservi	ce: Leakag	e: 🗹 Fur	nctional:	
	Pressure:	<u>2355</u> psi.	Test Ten	perature: 74	Deg. F			
	ns 1 through 6 on t	of lists, sketches, or chis report is included						eets 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 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 9-29-03 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 - JU ; 1 NORRIS PER 72-25 - FAY Commissions: NB 9831, MD 1171, AN 11 WB 12779, MD 1155 National Board, State, and Endorsements Date: 6-16 200 4

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

Pg. 1 of __2

1. Manufactured and cer	rtified by Enerte	ch, A Diy. o	f Curtiss-W	/right Flow	Control Corp., 2950	Birch St	., Brea, CA 92821	
	Calina Cliff	in Nivelaan			ss of N Certificate Holde		1007 1000	
2. Manufactured for	Caivert Clif	is inuclear				re, MD 2	21297-1323	
	Oak and Oliv	(C			of Purchaser)		-b. MD 00055	
3. Location of Installatio	n Caivert Cir	is nuclear	Power Pi			way, Lu	SDY, MD 20657	
		16011	•	-	d address)			
4. Model No., Series No	., or Type	KRV	Drawing .	MD209	90 Rev	<u>A</u>	CRN None	
		4005		4000			A1	
6. ASME Code, Section	III, Division 1:	1995		1996			None	
		(edition		(addenda da	ite) (class)	•	(Code Case no.)	
6. Pump or valve Nozzi	e Check Valve	Nominal inte	t size	2	Outlet size	2		
			A 1/A	(In.)		(in.)		
7. Material: Body SA-	479 Type 316	Bonnet	N/A	: Disk	SA-479 Type 316	Bolting.	N/A	
•	•	••	•				•	
(a)	(b)		(c)	•	(d)		(e)	
· Cert.	Nat'l	•	Body	1	Bonnet	·	Disk	
Holder's	Board		Seria	et ·	Serial		Serial	
Serial No.	No.		No.	,	No.		No.	
11256	None		KNG-(001	None		KNH-001	
11257	None		KNG-		None		KNH-002	
11258	None			. None		KNH-003		
11259	None	KNG-004			None	None		
11260	None		KNG-			None		
11261	None		KNG-		None		KNH-005 KNH-006	
11262	None		KNG-		None		KNH-007	
11263	None		KNG-		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-		None		KNH-013	
11269	None		KNG-		None		KNH-014	
11270	None		KNG-		None		· KNH-015	
11271	None		-KNG-		None		KNH-016	
11272	None		KNG-		None		KNH-017	
11273	None		KNG-	018	None		KNH-018	
				***************************************	•	<u> </u>	-	
<u> </u>								
		- · · · · · · · · · · · · · · · · · · ·	*****	• • • • •		· · · · · · · · · · · · · · · · · · ·		

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

REPRINT 6/93

^{*} Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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.

.M NPV-1 (Back - Pg. 2 of 2) 11256 thru 11273 Certificate Holder's Serial No. 2800 1500 8. Design conditions For valve pressure class (pressure) 3600 9. Cold working pressure. nsi at 100°F 10. Hydrostatic test _ psi. Disk differential test pressure _ 11. Remarks: Oty. 18, Enertech Job Number 29345V **CERTIFICATION OF DESIGN** John R. Sponsel, II MD 17308 Design Specification certified by . P.E. State Reg. no. Ira J, Silverman 23241 Design Report certified by . P.E. State Reg. no. 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. 10/11/05 N Certificate of Authorization No ... Enertech, A Div. of Curtiss-Wright Flow Control Corp (N Certificate Holder) (authorized representative) **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of _______Connecticut ____ and employed by _ __ have inspected the pump, or valve, described in this Data Report on , 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

CA1526 NB9495AN

any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

(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

	Caluart Olif	is Newsland David	n Diant In			-		
1. Owner:		fs Nuclear Powe	er Plant, Ir	IC.	Date: 6/14/2	2004		
1650 Calvort		; Lusby, MD 20	1657					
1030 Calvert		(address)	2031	· · · · · · · · · · · · · · · · · · ·	Sheet 1 of 2		. 177	
		•	ou Mont	•	_			
2. Plant:		ffs Nuclear Pow	er Plant		Unit: One			
		(name)						
1650 Calvert 0	Cliffs Parkway	Lusby, MD 20	0657	R&R	No. 2003-1-04	7b, MV	VO No. 120	0200636
,		(address)	-		•	P.O. no., job	• •	
3. Work Perform	ed by: Calvert	Cliffs Nuclear F	ower Pla	nt Dept.	Type Code Syml	-		
5. WOIR I CHOIM	•	(name)			Authorization No			
4650 Calvart (Niffe Berlauer	Luchy MD 206	:E7		Exp Date: N/A	_		
1050 Calvert C		Lusby, MD 206			Section XI Class	: <u> </u>	ne	
4. Identification of		n Number 041	System Na	me: Che	emical Volume	Contro	ol	
5. (a) Applicable (Construction Code	and Class: ASMI	E B31.7 1	969 Editio	n, Sum. 1971	Add; C	lass 1	
(b) Applicable S	Sect XI Ed. for Rep	pairs/Replacement _			1998 Edit	ion		
6. Identification o	of Components Rep	aired or Replaced ar	d Replacem	ent Compone	ents:			ASME
• .			•				Repaired,	Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Iđe	Other entification	Year Built	Replaced, or Replacemen	-
Piping System	Bechtel	2"CC-5-1005	N/A	#11A Chargi	ng Line Stop Valve	1975	Repaired/Rep	l No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: 8324H	N/A	Pipe, 2 in., S 376, Tp. 316	ch. 160, ASME SA-	2000	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A	Nut, Heavy l	Hex, 7/8 in. X 9 TPI, 94 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	- N/A	Rod, Allthre ASME SA-1	ad, 7/8 in. X 9 TPI, 93 Gr. B7	2003	Replacement	No
Flange	Energy & Process Corporation	411064 Heat Code: XXI3	N/A		, 1500 lb., Large ld Neck, ASME SA- l6	2003	Replacement	No
7. Description of V	Vork:			•				•
This plan was fo	or the piping, fitt	ings, hanger sup Heat Exch. to #					the replace	ment
3. Tests Conducted	Hydrostatic:	Pneumatic: Non	inal Operating	Pressure: In	nservice: Leakage	∷√ Fun	ctional:	
2000 00000000	-	2355 psi.		perature:	74 Deg. F	<u> </u>		
10000 G 1		611 (1 - 1					11 ' (0)	

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 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 Owner or Owner's Designee, Title Charles H. Ballard 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 9-29-03 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 FUR MR. JUHU NORRIS PER TELE-FAX Commissions: NB 9831, MO 1171, ANII NB 11779, MO 1155
Date: 6 - 16 Inspector's Signature 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 Clif	fs Nuclear Powe	er Plant, Ir	Date:	6/14/200	4		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	Sheet 1	of 2			
		(address)					•.	,
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant	Unit:	One			
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R No. 20	03-1 - 048a,	, MV	VO No. 1200	200640
		(address)			(P.O. 1	no., jol	b no., etc.)	
3. Work Perform	ned by: Calvert	Cliffs Nuclear F	Power Plan	Author	Code Symbol :			
1650 Calvert	Cliffs Parkway	, Lusby, MD 206	557	_	ate: <u>N/A</u> n XI Class: _	T	wo_	
(b) Applicable	Construction Code Sect XI Ed. for Rep of Components Rep Name of Manufacturer	Add;	Class 1		998 Edition		Edition, Mai Repaired, Replaced, or Replacemen	ASME Code Stamped
Valve	Velan Engineering Co.	SN: 1404	N/A	#11 Regen. Heat Exchi Check Valve (Contains Isolation)		975	Repaired/Repl aced	Yes
Check Valve	Enertech Inc.	408934 SN: 11266	N/A	Valve, Nozzle Check, lb., Large Groove con Enertech, Tp. KRV (N 212M3N)	nections,	2002	Replacement	Yes
7. Description of This plan was f Check Valve.		parts needed to	replace 1-0	CKVCVC-184, #1	1 Regen. H	leat	Exchanger l	nlet
3. Tests Conducte	d: Hydrostatic:	Pneumatic Nor	ninal Operating	Pressure: Inservice:	☐ Leakage: 🗹	Fur	nctional:	

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 ASM Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 6/14/2004
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 9-25-03 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 NOIRRIS PER TELEFAX Commissions: NB 9831, MD 1171, AVII NB 12779, MD 1153 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

Pg. 1 of $\frac{2}{}$

1. Manufactured and cer	tified by Enerte	ech, A Div. o	of Curtiss-W	right Flo	w Con	trol Corp., 2950	Birch St	., Brea,	CA 92821	
2. Manufactured for	Calvert Clif	fs Nuclear				N Certificate Holder 7323, Baltimor		1297-1	1323	
2. Wandiactured for				and addre			-,			
3. Location of Installatio	- Calvert Cli	ffs nuclear					wav. Lu	sbv. M	D 20657	
3. Location of installatio	n <u></u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			and add		,	557,	<u></u>	
	_	KRV		MD2		•	A		None	
4. Model No., Series No.	., or Type	•	. Drawing _			Rev		CRN		
	44 BY 1-1 4-	199	5	199	96	1		N	lone	
5. ASME Code, Section	HI, DIVISION 1:	ledition		(addenda		(class)	 .		Case no.)	
6. Pump or valve Nozzi	e Check Valve		• •	2		Outline alone	2	*		
6. Pump or valve	O Ontout Varyo	Nominal inte	t size	(In.)		Outlet size	2 (ln.)			
7. Material: Body SA-	479 Type 316		N/A		SA	-479 Type 316	• •	1	N/A	
7. Material: Body	47.0 Type 0.10	Bonnet		Di	15K		Bolting.		****	
(a)			(c)		•	(d)			·	
· Cert.	·· (b) Nat'i		. (c) Body			Bonnet	•		sk sk	
Holder's	Board		Serial			Serial				
Serial No.	No.		Serial No.			No.		Serial No.		
								KNH-001		
11256	None		KNG-001			None				
11257	None		KNG-002 KNG-003			None			1-002	
11258	None		KNG-003			None		1-003		
11259	None					None		I-004		
11260	None		KNG-005 KNG-006			None		-005		
11261	None					None			1-006	
11262	None		KNG-0			None			1-007	
11263	None	 · -	KNG-0			None			800-	
11264	None		KNG-0			None	~_		1-009	
11265	None		KNG-0			None			1-010	
11266	None		KNG-0			None None			I-011 I-012	
11267 11268	None None	 -	KNG-0			None			I-012	
11269	None		KNG-0			None			1-014	
11270	None					None		·KNF		
11271	None			KNG-015		None			1-016	
11272	None		KNG-016 KNG-017			None			1-017	
11273	None		KNG-0			None	-		1-018	
11270	140116		1(1(0-('''		14016		17141	1-010	
							 ;-			
										
						••				
· · · · · · · · · · · · · · · · · · ·				<u> </u>			 -			
		 -	4.3.00			.	 	• • • •		
•	<u></u>									

^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 % × 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.

		3) 1-V9N MS.	3ack — _, Pg				11256 thru 11273
				Certifica	te Holder's	Serial No	11270
Mark and the second second	2800		250				1500
. Design conditions	(pressure)	psi	emperature)	°F or valve	pressure c	iess	
0.11	360	^		•			
Cold working pressure	·	psi at 10	Ю°F				•
. Hydrostatic test	5400	psi. Disk differen	tial test press	ure	<u> </u>	N/A	
Remarks: Qty. 18, E	enertech Job	Number 29345	V				•
nemarks:							•
							
		<u> </u>		Na.			
							•
•					•		
		<u></u>					
		CERTIFIC	CATION OF D	esign			
•		John R. Spons	eal II		. MD		17308
esign Specification cert	• -	Ira J, Silverman		P.E. State	CA	_ Reg. no	23241
sign Report certified b	γ	na 3, Silvennan	<u> </u>	P.E. State	UA_	_ Reg. no	23241
				,		***************************************	
				•	••		
				·			
		CERTIFICA	LTE OF COMP	PLIANCE			•
					•	•	
/e certify that the state			ect and that t	his pump or val	va conforms	to the rules	for construction
f the ASME Code, Sect	=) 1. N-	2826		_ •	10/	11/05
Certificate of Authoriz	ation No				Expires	10/	1700
1/1/02		A Discontinuity of Continuity Continuity	land Cartest Care		W Lil	Gull	f-1.
late 1/2/02	lame Enertech	A Div. of Curtiss-Wright F (N Certificate Hoto		Signed	I suthou	ized represent	cetty .
		fra cermicara more	1611	····	(800101	izad represent	2046/
						•	
	.•						
							
		CERTIFIC	ATE OF INSP	ECTION			•
	·		•		•		
the undersigned, hold	ling a valid co		y the Nation	al Board of Bo	iler and Pre	ssure Vesse	Unspectors and
						HSB C	t ·
ne State or Province of		California	ar	nd employed by			
. (Connecticut						Data Report or
. (Connecticut		. have inspec	ted the pump,	or valve, des	cribed in thi	Data Report or
1.15.	Connecticut	and state that to th	. have inspec ne best of my	ted the pump, i knowledge ar	or valve, des d belief, the	cribed in thi	Data Report or
1.15.	Connecticut	and state that to th	. have inspec ne best of my	ted the pump, i knowledge ar	or valve, des d belief, the	cribed in thi	Data Report or
f	Connecticut OO, a	and state that to the	have inspected best of my ME Code, Sect	ted the pump, or knowledge artificial artifi	or valve, desid belief, the	scribed in thi Certificate	Data Report or Holder has con
tructed this pump, or v	Connecticut OO, a	and state that to the ask	have inspected best of my ME Code, Sectemployer male	ted the pump, or knowledge ar- tion III, Division kes any warran	or valve, desid belief, the 1.	scribed in thi a Certificate ad or Implied	Data Report or Holder has con
tructed this pump, or v sy signing this certifica component described in	Connecticut Conne	and state that to the fance with the ASM inspector nor his coort: Furthermore, n	have inspective best of my AE Code, Sectional Employer mainstitute the Ins	ted the pump, or knowledge artion III, Division tes any warran pector nor his o	or valve, desid belief, the 1. ty, expresse employer sh	ecribed in thit contificate and or implied all be liable i	Data Report or Holder has con
//	Connecticut Conne	and state that to the fance with the ASN inspector nor his cort. Furthermore, no or a loss of any ki	have inspective best of my ME Code, Sections employer main aither the institute indicates the institute of t	ted the pump, or knowledge ar- tion III, Division kes any warran pector nor his o	or valve, desired belief, the 1. ty, expresse employer shift with this in	ecribed in thit contificate and or implied all be liable i	s Data Report or Holder has con I, concerning the many manner fo

(1) For manually operated valves only.

(Authorized Inspector)

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 Clif	fs Nuclear Powe	r Plant, Ir	nc. Date: 6/14/2	2004		
		(name)					
1650 Calvert	Cliffs Parkway	; Lusby, MD 20	0657	Sheet 1 of 2	•		
		(address)				•• ••	
2. Plant:	Calvert Cli	ffs Nuclear Powe	er Plant	Unit: One			
		(name)					
1650 Calvert 0	Cliffs Parkway	; Lusby, MD 20	657	R&R No. 2003-1-04	8b, MV	VO No. 1200	200640
		(address)			O. no., jol	no., etc.)	
	Calvori	Cliffe Nuclear B	lower Blo	Tyma Coda Symi	-	-	
3. Work Perform	ed by:	Cliffs Nuclear P	OWEI FIA	Authorization No.	o.: N/A	•	
		(name)		Exp Date: N/A		•	
1650 Calvert 0	Cliffs Parkway	, Lusby, MD 206	57	Section XI Class	: T \	wo	
		(address)					
4. Identification of	of System: Syste	m Number 041	System Na	ame: Chemical Volume	Contr	ol	
	•	-					
5. (a) Applicable (Construction Code	and Class: ASME	E B31.7 1	969 Edition, Sum. 1971	Add; C	lass 2	
(b) Applicable S	Sect XI Ed. for Rep	pairs/Replacement		1998 Edit	ion		
6 Identification of	of Components Re	oaired or Replaced an	d Replacem	ent Components:			
v. Identification o	or Components Re	paired of Replaced an	d Replacem	ent Components.	•	Donaired	ASME Code
Name of	Name of	Manufacturers	National	Other	Year	Repaired, Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen	
Piping System	Bechtel	2" CC-7-1009	N/A	Charging Pumps discharge piping to Containment Penatration #28.	1975	Repaired/Repl	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 V	17aule.						. •
	or the piping, fit	tings, hanger sup . Heat Exchanger		and fasteners needed to a	support	the replace	ment
3. Tests Conducted	: Hydrostatic:	Pneumatic: Nom	inal Operating	Pressure: Inservice: Leakage	∷ ⊻ Fun	actional:	
	Pressure:	<u>2355</u> psi.	Test Ten	mperature: 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
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: 6/14/2004 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 9-25-03 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.
DOWALD A. SHAPIRA FOR MR. JUHN NORRIS Commissions: NB 9831, MO 1171, AN 11 NB 12779', MO 1135' Inspector's Signature NB 12779', MO 1135' NB National Board, State, and Endorsements
Date: 6-16 200 4

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (sddress) 2. Plant: Calvert Cliffs Nuclear Power Plant (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (sddress) 3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (name) 1650 Calvert Cliffs Parkway, Lusby, MD 20657 (name) 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class: One 1799 Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A Section XI Class:		•								
1650 Calvert Cliffs Parkway; Lusby, MD 20657 [Address] 2. Plant: Calvert Cliffs Nuclear Power Plant Calvert Cliffs Nuclear Power Plant Unit: One [Address] 1650 Calvert Cliffs Parkway; Lusby, MD 20657 [Address] 3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (P.O. no., job no., etc.) [Authorization No.: N/A Authorization No.: N/A Exp Date: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One [Address] 4. Identification of System: System Number O41 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: ASME Repaired, Code Name of Name of Manufacturers National Other Year Replaced, or Samped Component Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No Valve Vetan Engineering SN: 4248 N/A #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve Enertech Inc. 408934 SN: 11279 N/A Valve, Nozzie Check, 2 Im., 1590 Ib., Large Groove connections, Enertech, Tp. KRV (Mark # 12MIN) 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. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Calculated Controls (Poncology CV By Pass Check Valve).	1. Owner:	Calvert Cli	ffs Nuclear Pow	er Plant, In	С.	Date: _	6/16/2	004		. •
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 (p.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One (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 1 (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition 6. Identification of Components Repaired or Replaced and Replacement Components: ASME Name of Name of Manufacturers National Other Year Replaced, Code Componet Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No Valve Velan Engineering SN: 4248 N/A #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 Ib., Large Groove connections, Enertech, 1 p. KRV (Mark # 212M3N) Description of Work: This plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg coop CV By Pass Check Valve. Perumatic— Nominal Operating Pressure: Inservice:— Leakage: Functional:—			(name)			_				
2. Plant: Calvert Cliffs Nuclear Power Plant (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) (R.R. R. No. 2003-1-049a, MWO No. 1200200641 (P.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One (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 1 (b) Applicable Sect XI Ed. for Repairs/Replacement (b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Stamped Component Manufacturer Serial Number Board No. Identification Built Replacement (Pose or No. Check Valve Eaertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 Ib., Large Groove connections, Enertech, Tp. KRV (Mark # 212MJN) 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. 2000 CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Functional: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Pneumatic: The plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg. 2000 CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Functional: Pneumatic: Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Pneumatic: The plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg. 2000 CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Pneumatic: Pneumatic: Pneumatic: Pneumatic: Pneumatic: Pneumatic: Pneumatic: Pneumatic: Pneumatic: Pneumati	1650 Calvert	Cliffs Parkwa	y; Lusby, MD 2	0657		Sheet 1	of 2		•	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: (B.O. no. job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: (B.O. no. job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: One (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: One (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: One (address) (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: One (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: One (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Section XI Class: One (B.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No. N/A Exp Date: N/A Authorizati			(address)							•
R&R No. 2003-1-049a, MWO No. 1200200641 (address) (p.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One (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 1 (b) Applicable Sect XI Ed. for Repairs/Replacement (b) Applicable Sect XI Ed. for Repairs/Replacement (c) Asme of Name of Manufacturers National Other Year Replaced, Code Component Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No. 1872) Valve Velan Englacering SN: 4248 N/A #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 Ib., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N) 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 Tests Conducted: Hydrostatic: Poeumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Functional: Control of the control o	2. Plant:	Calvert Ci		er Plant		Unit: _	One	- .		
(address) (P.O. no., job no., etc.) (Roame) Calvert Cliffs Nuclear Power Plant Dept. (name) Calvert Cliffs Nuclear Power Plant Dept. (name) Calvert Cliffs Nuclear Power Plant Dept. (name) Exp Date: N/A Section XI Class: One (address) 4. Identification of System: System Number (address) 4. Identification of System: System Number (b) 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 (b) Applicable Sect XI Ed. for Repairs/Replacement (b) Applicable Sect XI Ed. for Repairs/Replacement (c) Name of Name of Manufacturers National Other Year Replaced, or Stamped Component Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No. Valve Velan Engineering SN: 4248 N/A #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 Latree Groove connections, Enertech, Tp. KRV (Mark # 212MJN) 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. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: 174			, ,							
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) (name) (name) (name) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One (address) 4. Identification of System: System Number	1650 Calvert	Cliffs Parkway	y; Lusby, MD 2	0657 		No. 20	03-1-049	a, MW	O No. 1200)200641
3. Work Performed by: Carrell Cliffs Nuclear Fower Frant Dept. Authorization No.: N/A			(address)				•		•	
Component Manufacturers Serial Number Se	3 Work Perform	_{ned by:} Calver	rt Cliffs Nuclear I	Power Plan	ու Dept.	• •	•	_	o: <u>N/A</u>	
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One	<i>5.</i>		(name)					.: <u>N/A</u>		
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 Name of Manufacturers National Other Year Replaced, or Stamped Component Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No. Valve Velan Engineering Co. Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 acced Check Valve Enertech, Tp. KRV (Mark # 212M3N) 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 Coop CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:	46E0 Calvert	Cliffa Darkway	. Luchy MD 20	\$E7		_		_		
4. Identification of System: System Number	1000 Calvert	Ciliis Parkway				Section	XI Class:		ne	
ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class 1 (b) Applicable Sect XI Ed. for Repairs/Replacement (b) Applicable Sect XI Ed. for Repairs/Replacement (c) Applicable Sect XI Ed. for Repairs/Replacement (d) Applicable Sect XI Ed. for Repairs/Replacement (e) Applicable Sect XI Ed. for Repairs/Replacement (f) Applicable Sect XI Ed. for Replacement (f) Applicable Sect XI Ed. for Repl	4 Tánudicinainu	af Cambana Camb		Comtany No	Cher	nical I	/olume	Contro	NI.	
Add; Class 1 (b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Name of Manufacturers National Other Year Replaced, or Stamped Replacement Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No Valve Velan Engineering Co. Valve Velan Engineering SN: 4248 N/A #11 Regen. Heat Exch. to #11A RCS Cold Leg Loop CV By Pass Check Valve Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 bl., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N) 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. Tests Conducted: Hydrostatic: Pneumatic Nominal Operating Pressure: Inservice: Leakage: Functional:	4. Identification	or System: Syst	em Number	System Na	me: One	IIICAI	rolulile	Oonti	<u> </u>	
(b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, Code Replaced, on Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No Recomponent Name of Name of Name of Name of Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No Replacement (Yes or No Recomponent Name of	5. (a) Applicable	Construction Cod			de for Pun	nps &	Valves,	1968 E	dition, Ma	rch 1970
ASME Name of Name of Manufacturers Serial Number Board No. Identification Valve Velan Engineering Co. Check Valve Enertech Inc. 408934 SN: 11270 Check Valve Enertech Inc. 408934 SN: 11270 Check Valve 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. Nominal Operating Pressure: Inservice: Leakage: Functional:			Add;	Class 1	•					i
Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No Repaired, Code Replaced, or Stamped Replacemen (Yes or No Re	(b) Applicable	Sect XI Ed. for Re	epairs/Replacement			19	98 Editi	on		
Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No Repaired, Code Replaced, or Stamped Replacemen (Yes or No Re			-							
Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No Replacemen (Yes	6. Identification	of Components Re	epaired or Replaced a	nd Replaceme	ent Componen	ıts:		•		
Componet Manufacturer Serial Number Board No. Identification Built Replacemen (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 Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 in., 1500 1b., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N) 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. Tests Conducted: Hydrostatic: Pneumatic: Norminal Operating Pressure: Inservice: Leakage: Functional: □	Name of	Name of	Manufa atunana	Motional		Other		Veer		
Valve Velan Engineering Co. Co. Co. Co. Co. Co. Co. Co.							n -			
Co. RCS Cold Leg Loop CV By Pass Check Valve Check Valve Check Valve Enertech Inc. 408934 SN: 11270 N/A Valve, Nozzle Check, 2 In., 1500 2002 Replacement Yes Ib., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N) Description of Work: This plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg .oop CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:	<u> </u>									<u> </u>
Ib., Large Groove connections, Enertech, Tp. KRV (Mark # 212M3N) 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. 7. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:	Valve		SN: 4248	N/A	RCS Cold Leg			1973	•	. Yes
This plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg .oop CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:	Check Valve	Enertech Inc.	408934 SN: 11270	N/A	lb., Large Gro Enertech, Tp.	ove con	ections,	2002	Replacement	Yes
This plan was for the work needed to replace 1-CKVCVC-435, #11 Regen. Heat Exch. to #11A RCS Cold Leg .oop CV By Pass Check Valve. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:	7 Description of	Work:								
. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional:	This plan was t	for the work nee	**************************************	CKVCVC-4	35, #11 Re	egen. I	leat Exc	h. to#	11A RCS C	old Leg
2025	Loop CV By Pa	ass Check valv	е.							
Pressure: 2355 psi. Test Temperature: 74 Deg. F	3. Tests Conducte	ed: Hydrostatic:	Pneumatic: No	minal Operating	Pressure: Ins	ervice: 🗆	Leakage:	☑ Fun	ctional:	
		Pressure:	2355 psi.	Test Ten	perature:	<u>74</u>	Deg. F			
			_							
-Comparison in Issuer 1 showed 6 an ship manage is included an arch about and (2) arch about is mumbered and the mumber of shoots is	-Campation in Itan	1 theoreach & 4		b -bi						

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 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 //-//-03 to 6-//-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. Downed A - Shaping For Mi.
JOHN NORRIS Commissions: NB 9831, MO 1171, ANII
Inspector's Signature National Board, State, and Endorsements
Date: 6-// 200 4

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

Pa. 1 of __2_

1. Manufactured and cert	tified by Enerte	ech, A Div. o	Curtiss-W	right F	low (Control Corp., 2950	Birch St	., Brea,	CA 92821	
•						of N Certificate Holde				
2. Manufactured for	Calvert Clif	is Nuclear					re, MD 2	1297-	1323	
						f Purchaser)				
3. Location of installation	, Calvert Cli	ffs nuclear	Power Pla				way, Lu	sby, M	D 20657	
			•	•••		address)				
4. Model No., Series No.	, or Type	KRV	Drawing _	MD	2099	00 Rev	<u>A</u>	CRN_	None	
•										
5. ASME Code, Section	KI, Division 1:	1995			96	,	 .		lone	
	•.	(edition)	• •	(addsn	da dat				Case no.)	
6. Pump or valve Nozzle	Check Valve	Nominal inter	t size	2		Outlet size	2 (In.)			
			ATZA	(ln.)			• • • •		LI/A	
7. Material: Body SA-4	479 Type 316	Bonnet	N/A	<u></u>	Disk .	SA-479 Type 316	Bolting .		N/A	
	•	• •	•			·			•	
(a)	(b)		, (c)	٠		(d)		. 6	e) ·	
· Cert.	Nat'i	•	Body			Bonnet		D	sk	
Holder's	Board		Serial			Serial		Serial		
Serial No.	No.		No.			No.	No.			
11256	None		KNG-001			None	None			
11257	None		KNG-002			None	None		1-002	
11258	None		KNG-003		None			1-003		
11259	None		KNG-004		None	None		1-004		
11260	None		KNG-005		None		KNI	1-005		
11261	None		KNG-006		None			1-006		
11262	None		KNG-0	07		None		KNI	1-007	
11263	None		KNG-0			None			1-008	
11264	None		KNG-0	009		None			1-009	
11265	None		KNG-0			None			1-010	
11266	None		KNG-0			None			<u>1-011</u>	
11267	None		KNG-0			None			1-012	
11268	None		KNG-013			None		1-013		
11269	None		KNG-014			None			1-014	
11270	None		KNG-015			None			1-015	
11271	None		KNG-016			None			1-016	
11272	None		KNG-0			None	<u> </u>		1-017	
11273	None		KNG-()18		None		KN	1-018	
	· .	<u> </u>								
						·.	<u> </u>	······································		
. ·							<u> </u>			
				<u>.</u>						
	· · ·									
			•						<u> </u>	

^{*}Supplemental information in form of lists, eketches, or drawings may be used provided (1) size is 8% × 11, (2) information in items 1 through 4 on this Date Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(M NPV-1 (Back — Pg. 2 of <u>2</u>) 11256 thru 11273 Certificate Holder's Serial No. 2800 1500 8. Design conditions F or valve pressure class (pressure) 3600 psi at 100°F 9. Cold working pressure. 5400 10. Hydrostatic test _ psi. Disk differential test pressure 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

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-2826

Expires

10/11/05

Date 1/5/03 Name Enerieds, A Div. of Curitse-Wright Flow Control Corp.

(N Certificate Holder)

Signed (authorized representative)

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 HSB CT Connecticut have inspected the pump, or valve, described in this Data Report on 1:15.00, 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 1.15.00 Signed Limb F. Pup Commissions (Natl. Bd. (Incl. endersements) 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 Cli	ffs Nuclear Pow	er Plant, l	nc. Date:	6/16/2004		
		(name)	-				
1650 Calvert	Cliffs Parkwa	y; Lusby, MD 2	20657	Sheet 1 of	1		•
·		(address)					
2. Plant:	Calvert Ci	iffs Nuclear Pow	er Plant	Unit:	One		
		(name)				•	•
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R No. 2003	3-1-049b, MV	VO No. 1200	200641
		(address)			(P.O. no., joi	no., etc.)	
0 77 1 D 6	Calver	t Cliffs Nuclear I	Power Pla	nt Dept. Type Cod	e Symbol Stam	p: <u>N/A</u>	
3. Work Perform	led by:	(name)		Authoriza	tion No.: N/A		
				Exp Date:	<u>N/A</u>		
1650 Calvert	Cliffs Parkway	, Lusby, MD 20	657	Section X	I Class:O	ne	
		(address)				•	
4. Identification	of System: Syste	m Number 041	System N	ame: Chemical Vo	lume Contro	<u> </u>	·
- 4 > 1		4014	C D04 7 4	000 Edition 0	4074 444. 0	l d	
5. (a) Applicable (Construction Code	and Class: ASM	E B31.7 7	969 Edition, Sum.	1971 Ada; C	lass 7	<u> </u>
(b) Applicable S	Sect XI Ed. for Re	pairs/Replacement		1998	Edition		
6. Identification of Name of Componet	of Components Re Name of Manufacturer	paired or Replaced at Manufacturers Serial Number	nd Replacen National Board No.	ent Components: Other Identification	Year Built	Repaired, Replaced, or Replacemen (ASME Code Stamped Yes or No)
Piping System	Bechtel	2"CC-5-1006	N/A	#11 Regen. Heat Exch. to a RCS Cold Leg Loop CV B piping		Repaired/Repi aced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht.#: 8324H	N/A	Pipe, 2 In., Sch. 160, ASM 376, Tp. 316	E.SA- 2000	Replacement	No
Nut	Mackson Inc.	408227 Ht#: \$44018	N/A	Nut, Heavy Hex, 7/8 in. X ASME SA-194 Gr. 2H	9 TPI, 2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht#: \$20751	N/A	Rod, Allthread, 7/8 in. X 9 ASME SA-193 Gr. B7	TPI, 2003	Replacement	No
Flange	Energy & Process Corporation	411064 Heat Code: XXI3	N/A	Flange, 2 in., 1500 lb., Lar Tongue, Weld Neck, ASMI 182, Tp. F 316		Replacement	No
Reducing Tee	Energy & Process Corporation	411064 Ht.#: 70802	N/A	Tee, Reducing, 2 in. X 3/4 i Sch.160, butt weld, ASME 403, Gr. WP316		Replacement	No
Plate	Energy Steel & Supply Co.	402572 Ht#: 832N34270	N/A	Plate, Steel 1/4 in. X 48 in. in., ASME SA-36	X 96 2001	Replacement	No
Pipe	Tioga Pipe Supply	402564 Ht.#: L42618	N/A	Pipe, 3/4 in. Sch. 160, ASM	E SA- 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.

8. Tests Conducted:	Hydrostatic:	Pneumatic [Nominal Operatin	g Pressure:	Inservice:	Leakage: 🗹	Functional:
	Pressure:	2355 psi.	Test Te	mperature:	<u>74</u>	Deg. F	•
	•						
9. Remarks:				7 L			
A Section XI VT-1 V	isual Examin	ation of the	replacement th	readed fa	steners w	as perform	ed to satisfy
Section XI Pre-Servi	ice NDE Red	uirements.	A Section XI	System Le	akage Te	est of the af	fected component
vas performed durin							
Examination of the a service. A Section							eturned to satisy Section XI
Pre-Service Require			416-2 was invo				
ests. Addtional Sec							
Reg.Guide 1.147.							
	A	pplicable Ma	nufacturer's Data	a Reports to	be Attaci	hed	
	····	Ce	rtificate of Co	mnliance			•
		ents made in thi	s report are correct	t and that th	is	Repair/Rep	olacement
conform	is to the rules of	f the ASME C	ode, Section XI.				
Type Code Sym							
Certificate of Au	thorization No.	.: N/A Expir	ation Date: N/A	<u>. </u>			
		~4					
<u>.</u>		10/1/7	S///!	Char	les H. Ballar	d _	
Signed:	MX) NY.K	ellon	Engine	ring Techni	cian Date:	6/16/2004
	Ov.	vner or Owner's De	signce, little			•	
		Certific	ate of Inservi	ce Inspect	ion		
T the undersions	d holding a val		issued by the Nati	•		od Drasmus W	ancel Increators
and the State of Mar							
in this Owner's Repo	ort during the p	eriod <u>//-/3 ·</u>	<u>v3</u> to <u>l</u>	-11-04	and a	state to the be	st of my
knowledge and beli	•	•			ive measur	es described i	1 this Owner's
Report in accordance	-		_				lied : comment
by signing this of the examinations and			nor his employer				
employer shall be lis							
connected with this		nior dor may por	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Paris carrie			2020
DONALD A.	-	FOR MR.	. •	•			ŀ
JOHN NOW		•	Commissions	AIR 9	£31.	UD 1171.	Antil
		621-041	_ Commissions: _	NBIDT	779 ,	40 1153	77011
<i>y</i>	Inspector's Signatu 200 4	-			. ,	tate, and Endorse	
Date: 6-17	200_4/_	==					

As Required Required by the Provisions of the ASME Code Section $\boldsymbol{\mathsf{XI}}$

1. Owner:		s Nuclear Pow	er Plant, In	ıc.	Date:01/30/20	003		
1650 Calvert	Cliffs Parkway		0657		Sheet 1 of 2	: .	•	
2. Plant:	Calvert Clif	(address) 'fs Nuclear Pow (name)	rer Plant		Unit: One			
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657	R&R	No. 2002-1-049	b, MV	/O No. 1200	202505
3. Work Perform	ned by: Calvert	(address) Cliffs Nuclear (name)	Power Pia	nt Dept.	Type Code Symbo Authorization No.	ol Stamp		
1650 Calvert	Cliffs Parkway,	Lusby, MD 20	657		Exp Date: N/A Section XI Class:	T۱	NO	
	of System: System Construction Code	and Class: ASM	System Na E Draft Co	de for Pur	mical Volume o			rch 1970
(b) Applicable	Sect XI Ed. for Rep	pairs/Replacement			1998 Editle	on .		
6. Identification	of Components Rep	paired or Replaced a	nd Replacem	ent Compone	nts:			ASME
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Ide	Other ntification	Year Built		
Valve	Velan Engineering Co.		N/A	#12 Charging Isolation Val	Pump Discharge	1975	Repaired/Repl	Yes
Gate Valve	Velan Engineering Co.	90585-GX SN: 951075-1	N/A	Valve, Gate, SA-182 Tp. 1	2 in. 1690 lb.; ASME F316	1994	Replacement	Yes
7. Description of This plan was t	Work: for the replacem	ent of 1-HVCVC	-172, #12 (Charging P	ump Discharge	Isolati	on Valve.	
8. Tests Conducts	ed: Hydrostatic:		ominal Operating		nservice: Leakage:	⊠ Fu	nctional:	
	Pressure:	2300 psi.	Test Ter	mperature:	118 Deg. F			

recorded at the top of this form.

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.

Certificate of Compliance We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 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 \(\lambda \rangle 4 \rangle 2 \) to \(\frac{2/20/03}{2/003} \), 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.
M Sulto Hundle Commissions: PAZO56 AB INNS, rud 537 Inspector's Signature National Board, State, and Endorsements
Date: 2/20 200 3

DATA PACKAGE NO. _951075 P.6
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

Pg. 1 of _2

 Manufactured and Manufactured for Location of insta Model No., Series ASME Code, Section 	BALTIMORE GAS allionCALVERT C s No., or Type: _G on III, Division 1 VALVE Nominal	(name and address of N & ELECTRIC P.O. (name and address of N LIFFS NUCLEAR PLAN (name and address) ATE Drawing P1 1989 (edition)	V Centificate Holder) BOX 1472 BALTIMORE, Purchaser) FT NORTH OF LUSBY, L-76800-N22 Rev NONE 1 (addenda date) (class)	MD. 21203 MD. 20657 F CRN N/A (Code Case no.)
3. Location of insta 4. Model No., Series	CALVERT C No., or Type: _G on III, Division 1 VALVE Nominal	ELECTRIC P.O. (name and address of LIFFS NUCLEAR PLAN (name and address) ATE Drawing P1 1989 (edition) inlet size2	BOX 1472 BALTIMORE, purchaser) PT NORTH OF LUSBY, 1-76800-N22 Rev NONE 1 (addcnda date) (class)	MD. 20657 F CRN N/A N/A (Code Case no.)
3. Location of insta 4. Model No., Series	CALVERT C No., or Type: _G on III, Division 1 VALVE Nominal	(name and address of LIFFS NUCLEAR PLAN (name and address) ATE Drawing P1 2 1989 (edition) inlet size 2	purchaser) PT NORTH OF LUSEY, L-76800-N22 Rev NONE 1 (addenda date) (class)	MD. 20657 F CRN N/A N/A (Code Case no.)
4. Model No., Series	on III, Division 1 VALVE Nominal	LIFFS NUCLEAR PLAN (name and address) ATE Drawing P1 1989 (edition) inlet size2	NONE 1 (addcnda date) (class)	F CRN N/A N/A (Code Case no.)
4. Model No., Series	on III, Division 1 VALVE Nominal	(name and address) ATE Drawing P1 1989 (edition) inlet size2	NONE 1 (addcnda date) (class)	F CRN N/A N/A (Code Case no.)
•	on III, Division 1	ATE Drawing P1 1989 (edition) inlet size2	NONE 1 (addcada date) (class) Outlet size	N/A (Code Case no.)
•	on III, Division 1	to 1989 (edition)	NONE 1 (addcada date) (class) Outlet size	N/A (Code Case no.)
5. ASME Code, Section	VALVE Nominal	(edition) inlet size2	(addenda date) (class) Outlet size	(Code Case no.)
		inlet size2	Outlet size	
6. Pump or valve	SA-182.F316 Bonne	(in.)		2"
	5A-182.F316 Bonne			1.)
7. Material: Body _S		t SA-182,F316 Di	isk SA-351.CF8M Bo	lting SA-564.630
-				SA-194.8M
(a)	(b)	(c)	(5)	(e)
Cert.	Nat'l	Body	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
951075-1	N/A	H/C: B-EH	H/C: ADU	H/C: 03R
951075-2			*	91.7
******		*********	********	*******
•				
-				
				
				
	······································			
				
			:	
				
				
				
				
			•	
			-	

Supplemental information in form of lists, excitoes, 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.

This form (E00037) may be obtained from the Order Dept., ASME, 22 LAW DRIVE < BOX 2300 Fairfield, NJ 07007-2300.

(12/88)

	form n	PV-1 (Back - P	g. 2 o	£2	}				P.7	
						Cartif:	icate R	older's S	Serial No	o. <u>9510</u>	75_
8. D	asign condi	itions _	4055	psi_	100	°p (or valve	pressu	e class	1690	_ (1)
9. C	old working	g pressu	(brezznto)		(lemperatu Pad		•3				
10.	Bydrostati	c test _	6350	psi.	Disk dif	ferenti	al test	pressur	a4	550	_ psi
11.	Remarks: _	MATER	ALS MEET	ASME SE	CTION II	EDITIO	N: 1989	ADDEND	A: NONE	· · · · · · · · · · · · · · · · · · ·	
				CERT	IFICATE	OF DESIG	en			-	
Des Des	ign Specif ign report	ication certif	certified	1 by	J.M. FARI ISBITSKY	RBL	P.E. St P.E. St	ate <u>OU</u> ate <u>OU</u>	E Reg.	no30	039 115
			<u></u>	CERTIE	CATE OF	COMPLIZ	ANCE				
val	certify th ve conform ertificate	s to th	e rules fo	or const	ruction o	of the A	ASME Cod	e. Secti	on III.	Division	11.
Dat	e Elb.	26-96	Name	VELAN (N Cer	INC . tificate Holder)		Signed	ZZog (arut	horized repres	entative)	
			-								
				CERTI	PICATE OF	INSPEC:	TION				
emr val	the undersolved by Live, descript of my k	Vessel PRC ibed in nowledge	Inspector VINCE this Data and bel	s and to Report lef, the	he State Con <u>9</u> Certifi	or Pro EBRC - 0%-2 Cate Ho	vince o	f O have in a s constr	UEBRC spected nd state ructed th	the pump	and, or

By signing this certificate, neither the inspector nor his employer makes any warrenty, 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.

Muthorized Inspector

__Commissions

(1) For manually operated valves only.

Date 26-02-28 signed

RAYMOND LAUZON

(Nat'l. Bd. (incl. endorsments) and

state or prov. and no.)

(i)

RÉGIE DU BÂTIMENT SU CUÉBEG

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

	/						
	Calvort Cliff	s Nuclear Powe	r Diant In	Date: 01/30/2		•	
1. Owner:	., 	name)	riant, m	Date: 01/30/2	:003	•	•
1650 Calvert C	liffs Parkway;	Lusby, MD 20	657	Sheet 1 of 3.			
	(address)	•	.		•	
2. Plant:	Calvert Clif	fs Nuclear Powe	er Plant	Unit: One			
		name)				. •	
1650 Calvert C	liffs Parkway;	Lusby, MD 20	657	R&R No. 2002-1-049			202505
	(address)		•	O. no., job	•	
3. Work Performe	, u u y	Cliffs Nuclear P	ower Plan	Type Code Symb Authorization No	-		
	(name)		Exp Date: N/A	*** ****		
1650 Calvert C		Lusby, MD 206	57	Section XI Class:		NO_	
	•	address)		Óbarria el Maluma	Contra	_1	
4. Identification o	f System: Systen	Number 041	System Na	me: Chemical Volume	Contro	<u> </u>	·
5.(a) Applicable C	Construction Code	and Class: ASME	E B31.7 19	969 Edition, Summer 19	71 Add	; Class Two	>
(h) Amiliable S	ect XI Ed. for Rep	airs/Renlacement		1998 Editi	on		•
	•		<u> </u>				
6. Identification of	f Components Rep	aired or Replaced an	d Replacem	ent Components:	•	Danatas	ASME
Name of	Name of	Manufacturers	National	Other -	Year	Repaired, Replaced, or	Code Stamped
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen (
Piping System	Bechtel	N/A	N/A	#12 Charging Pump Discharge Piping	1975	Repaired/Repi aced	No
Pipe	Consolidated Power Supply	20439 Heat# 447 / XBJ	N/A	Pipe, 2 ia. Sch. 160, ASME SA- 376 Tp. 316	1998	Replacement	No
Reducer Insert	Ladish Co.	F-8588 Heat Code: D6MC H1	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	Anvii International Inc. (Grinnell Pipe Supports)	34757	N/A	Strap, Pipe Guide, 2 in., Part# 2 of PG-44 on Drwg.# FSK-MP- 0571SH 0005 & 6	1999	Replacement	No
Elbow	Consolidated Power Supply	408879 Heat Code: MA	N/A	Eibow, Pipe, 2 in., 45 Deg., 6000 Ib., Socketweld, ASME SA-182, Gr. F316	2002	Replacement	No
7. Description of W	Jorle						
This plan was fo	r the use of the Discharge Isola			ort the replacement of 1-h covers any work on suppo			d to
O Marka Ossadurakad	: Hydrostatic:	Pneumatic Non	alast Ou a seat	Barrers Francis D Joshan	. 157	الله معادد	
8. Tests Conducted		2300 psi.	ninal Operating Test Ten	Pressure: Inservice: Leakage pperature: <u>118</u> Deg. F	·M run	ectional:	
	i lessuit.	==== par.					
NOTE: Supplemen	tal sheets in form o	f lists, sketches, or d	lrawings may	y be used, provided (1) size is 8	-1/2 in. 3	(11 in., (2)	

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.

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 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 \(\begin{align*} \lefta \frac{2}{2} \) to \(\frac{2}{20/0.3} \), 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.
M. Seals Herris Commissions: PA 2056 AG 18 NS mal 537 Inspector's Signature National Board, State, and Endorsements
Date:200

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

1. Owner:		s Nuclear Pow	er Plant, in	с.	Date:08/04/2	003		
1650 Calvert	Cliffs Parkway;		20657		Sheet 1 of 2			
2. Plant:		fs Nuclear Pov	ver Plant	· · · · · ·	Unit: One	_		
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657	R&R	No. 2002-1-033	, MWC	No. 12002	02602
	(address)			(P.	0. no., job	no., etc.)	
3. Work Perform	Eu by	Cliffs Nuclear	Power Plan	nt Dept.	Type Code Symb Authorization No Exp Date: N/A	_		
1650 Calvert	Cliffs Parkway,	Lusby, MD 20	657		Section XI Class:	0	ne	
4. Identification 6 5.(a) Applicable	· · · · · · · · · · · · · · · · · · ·		System Na IE B&PV Cos One		actor Coolant S			\dd;
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement			1998 Editl	on		
6. Identification	of Components Rep	aired or Replaced	and Replacem	ent Compon	ents:		Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Id	Other entification	Year Built	Replaced, or	Stamped
RCP Seal	Sulzer Bingham Inc.	SN: 1C870	NB 1290	#11B React Mechanical	or Coolant Pump Seal.	1988	Repaired/Repl	Yes
Seal	BGE CCNPP Shops	1199901394 SN: 1 C 864	N/A	875B-3V C	idge Assembly (RCP) omplete Sulzer oer FCR 87-0074	1999	Replacement	Yes
7. Description of	Work:							
•		ent of the mech	anical seal	on #11B F	Reactor Coolant	Pump		
8. Tests Conducte	d: Hydrostatic:	Pneumatic N	ominal Operating	Pressure:	Inservice: Leakage	· Fu	nctional:	
	Pressure:	2250 psi.	Test Ter	nperature:	528 Deg. F	•		
			drawings ma		rovided (1) size is 8		x 11 in., (2)	

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.

··
Certificate of Compliance We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 08/04/2003
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 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.
Richard. Byan Commissions: Nat / Bd 8150 ABIN \$ 1161
Date: 8 / 5 200 3 National Board, State, and Endorsements

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

									·
1. Owner: _	Calvert Cli	fs Nuclear Pow	er Plant, Ir	nc.	Date: _	12/03/20	003	·	
1650 Calvert	Cliffs Parkway	(name) r; Lusby, MD	20657		Sheet 1 o	of 2		÷ ·	
		(address)		:	CHOOL I				
2. Plant:	Calvert CII	ffs Nuclear Pov	ver Plant		Unit:	One	_	:	•
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657	R&R	No. 200	2-1-050	a, MV	/O No. 1200	202689
		(address)				(P.O	no., jol	no., etc.)	
3. Work Perform	med by: Calver	Cliffs Nuclear	Power Plan	nt Dept.		de Symbo ation No.:	•		
		(name)			Exp Date	e: <u>N/A</u>			
1650 Calvert	Cliffs Parkway	, Lusby, MD 20	657		Section 2	XI Class:	T	WO	
		(address)							
4. Identification	of System: Syste	m Number <u>041</u>	System Na	me: Che	mical V	olume C	contro	o <u>l</u>	<u> </u>
5. (a) Applicable	Construction Code		E Draft Co Class Two		mps & \	/alves, 1	968 E	Edition, Mar	ch 1970
(b) Applicable	Sect XI Ed. for Rep	pairs/Replacement			199	8 Editio	n		:
6. Identification	of Components Rep	paired or Replaced a	ınd Replacem	ent Compone	ents:			,	ASME
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Ide	Other ntification	L		Repaired, Replaced, or Replacemen	
Valve	Velan Engineering Co.	1-CKVCVC-171	N/A	#12 Charging Check Valve	Pump Disc	harge	1975	Repaired/Repi	Yes
Check Valve	Veian Engineering Co.	90585-GX SN: 951037-1	N/A	Valve, Check lb.,Socketwei BGE Dwg 12	ld, SA-182,		1994	Replacement	Yes
7. Description of	Work:								
•		ent of 1-CKVCV	C-171, #12	Charging I	Pump D	ischarge	Chec	k Valve.	
3. Tests Conducte	d: Hydrostatic:		minal Operating			Leakage:	Z Fun	ctional:	
	Pressure:	<u>2320</u> psi.	Test Ten	mperature:	<u>112</u>	Deg. F			
NOTE: Suppleme	ntal sheets in form	of lists, sketches, or	drawings may	be used, pro	ovided (1)	size is 8-1	/2 in. >	(11 in., (2)	

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.

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 Engineering Technician Date: 12/03/2003 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									
John Joseph Commissions: NB983/ AUT MD 1/71 Date: Date: 02. 3 200_3									

DATA PACKAGE NO. <u>951037</u> P.6 FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES *

Pg. 1 of

		•			•••	
1. Manufactured a	nd certified by				IADA	· · ·
			ress of N Certificate			
2. Manufactured f	or <u>BALTIMORE GAS</u>	& ELECTRIC	P.O. BOX 14	72 BALTIM	ORE, MD.	21203
		(name and a	idress of purchaser)			
3. Location of in	stallion CALVERT CI	LIFFS NUCLEAR	PLANT NORT	H OF LUSBY	. MD. 20	657 .
		(name and a				
4. Model No., Ser	ies No., or Type: PS			-N28 Rev	<u>D</u>	CRN <u>N/A</u>
5. ASME Code, Sec	tion III, Division 1		NONE		1	N/A
		(edition)	(addenda di		lass)	(Code Case no.)
6. Pump or valve	VALVE Nominal	. inlet size _	Out	let size _	2*	
_			(in.)		(in.)	•
7. Material: Body	SA-182,F316 Bonne	t SA-182,F31	6 Disk CO	LMONOY 4	Bolting	N/A
,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					,	
(a)	(b)	(c)		(d)		·(e)
Cert.	Nat'l	Body	•	Bonnet		Disk
Holder's	Board .	Serial		Serial		Serial
Serial No.	No.	No.	, e.	No.	•	No.
			•			
951037-1	N/A	H/C: CH	Н.	C: 1ARA		H/C: 2072
951037-2		N		#		. #
951037-3		*		Π		. 17
数化和图画新加林斯斯斯斯斯	*************************************	*******		********	F ==:	
•						
		(.				1
			-		_	
					_	
					_	
		` 		<u> </u>		
			` <u></u>	·····		
			·			
						
						
				···	·	
			 > ,			
						
			<u> </u>			

Supplemental information in form of lists, sketches; or drawings may be used provided (1) size is \$ 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.

(12/88)

FORM NPV-1 (Back - Pg. 2 of2)	P.7
AND RESIDENCE AND ASSESSMENT OF COLUMN TO COLUMN THE PROPERTY OF COL	Holder Las Server No. 1. 951037-
8. Design conditions 6430 psi 100 °F or val (pressure)	lve pressure class 2680 (1
9. Cold working pressure 6430 psi at 100°F 10. Hydrostatic test 10050 psi. Disk differential tes	st pressure
11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 198	39 ADDENDA: NONE
CERTIFICATE OF DESIGN	
Design Specification certified by J.M. FARREL P.E. Specification certified by S. ISBITSKY P.E. Specification c	State OUE Reg. no. 30039 State OUE Reg. no. 22115
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correction conforms to the rules for construction of the ASME Conforms to the rules for construction of the rules for cons	ode, Section III, Division 1. Expires MAY 2,98
	V
I, the undersigned, holding a valid commission issued by and Pressure Vessel Inspectors and the State or Province employed by PROVINCE of OUEBEC valve, described in this Data Report on 94-10-4 best of my knowledge and belief, the Certificate Holder havely, in accordance with the ASME Code, Section III, Divis	of <u>OUEBEC</u> and have inspected the pump, or , and state that to the as constructed this pump, or
By signing this certificate, neither the inspector nor his expressed or implied, concerning the component descrifurthermore, neither the inspector nor his employer shall any personal injury or property damage or a loss of any ki with this inspection.	bed in this Data Report. be liable in any manner for
Date 25-05-26 signed Funder Commissions (Anthorized Inspector)	(Nat'l. Bd. (incl. endorsments) and state or prov. and no.)
(1) For manually operated valves only.	RAYMOND LAUZON (17)

RÉGIE DU BATIMENT DU QUÉBEC

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

	0-1		71				_	
1. Owner:	Calven Cili	ffs Nuclear Pow	er Plant, II	nc.	Date:11/06/2	003		
1650 Calvert (Cliffs Parkway	r; Lusby, MD 2	0657		Sheet 1 of 2			
1000 0411011	-	(address)			Silect 1 Of 2			
O. Diame.	Calvert Cli	ffs Nuclear Pow	er Plant	•	Unit: One			
2. Plant:		(name)			Unit: One			
1650 Calvert (Cliffs Parkway	: Lusby.MD 2	0657	R&R I	No. 2002-1-050	b. MV	VO No. 120	0202689
		(address)					no., etc.)	
	Calver	Cliffs Nuclear I	Power Pla	nt Dent.	Type Code Symb	ol Stam	p: <u>N/A</u>	
3. Work Perform	ед бу:	(name)		20ра	Authorization No	: <u>N/A</u>	;	
		•			Exp Date: N/A			
1650 Calvert C		, Lusby, MD 20	657		Section XI Class:	<u>T\</u>	WO	
4 77		(address)	Co	Cher	nical Volume	Contr	ol.	
4. Identification of	of System: Syste	m Number 041	System Na	ame: Cite	incai volume	COMM	UI	
5. (a) Applicable C	Construction Code	and Class: ASM	E B31.7 1	969 Editior	n, Summer 197	1 Add	i; Class Tw	0
(b) Applicable S	ect XI Ed. for Re	pairs/Replacement			1998 Editle	on		
6 Identification o	f Components Re	– paired or Replaced a	nd Renlacem	ent Componer	nte•			
o. Addition o	r componenta rec	ounce of Icopiacoe a	na ropiuoni	one componer			Repaired,	ASME Code
Name of	Name of	Manufacturers	National		Other	Year	•	
Componet	Manufacturer	Serial Number	Board No.	Iden	tification	Built	Replacemen	(Yes or No
Piping System	Bechtel	2" CC-7-1002	N/A	#12 Charging l Piping	Pump Discharge	1975	Repaired/Repi	No
Pipe	Consolidated Power Supply	20439 Heat# 447	N/A	Pipe, 2 in., Sci 376, Tp. 316	h. 160, ASME SA-	1998	Replacement	No
Tee	DuBose National Energy Services Inc.	54906-GX Heat Code: BV	N/A	Tee, 2 In., 600 182, Tp. F316,	0 lb., ASME SA- , Socket Weld	1992	Replacement	No
Insert Reducer	Ladish Co.	F-8588 Heat Code: D6MC H1	N/A	-	rt, 2 in. X 3/4 in., etweld, ASME SA-	1973	Replacement	No
. Description of W	ork:							
-		parts listed here	in to suppo	ort the repla	cement of 1-C	KVCV	C-171, #12	
•		ck Valve. This p		•			•	support
. Tests Conducted:	Hydrostatic:	Pneumatic: Non	ninal Operating	Pressure: Inse	ervice: Leakage:	▽ Fun	ctional:	
	Pressure:		*		12 Deg. F			
	400 mr a :	— Por		•				
OTE: Supplement	al sheets in form o	of lists, sketches, or d	lrawings may	be used, prov	rided (1) size is 8-	1/2 in. x	11 in., (2)	

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.

Certificate of Compliance We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the
We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
· —— ·
Signed: Charles H. Ballard Engineering Technician Date: 11/06/2003
Owner or Owner's Designee, Title Control of Control
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: NB 983 AUT. MO 1171
Inspector's Signature National Board, State, and Endorsements
Date: <u>Was 3</u> 200 <u>3</u>

As Required Required by the Provisions of the ASME Code Section ${\sf XI}$

1. Owner:	Calvert Clif	fs Nuclear Powe	r Plant, Ir	nc. Date: 10/3/2	2003		
:		(name)				•	<i>:</i>
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	Sheet 1 of 2			
		(address)					
2. Plant:	Calvert Cli	ffs Nuclear Pow (name)	er Plant	Unit: One			
1650 Calvert	Cliffs Parkway	; Lusby, MD 26	0657	R&R No. 2002-1-05	1, MW	O No. 12002	202762
		(address)			.O. no., jo	no., etc.)	
3. Work Perform	ned by: Calver	Cliffs Nuclear F	Power Pla	nt Dept. Type Code Sym Authorization N			
		(marro)		Exp Date: N/A			
1650 Calvert	Cliffs Parkway	, Lusby, MD 206	557	Section XI Class	: O	ne	
		(address)		:			
4. Identification	of System: Syste	m Number <u>064</u>	System Na	me: Reactor Coolant	<u>System</u>	<u> </u>	
				· ·			•
5.(a) Applicable	Construction Code	and Class: ASMI	E B31.1.0	1967 Edition, CCases N	1-2, N-1	0 .	
(b) Applicable	Sect XI Ed. for Rep	pairs/Replacement		1998 Edit	ion	·	
6. Identification	of Components Re	paired or Replaced ar	id Replacem	ent Components:			ASME
						Repaired,	Code
Name of	Name of	Manufacturers	National	Other	Year	Replaced, or	
. Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen	(Yes or No
Valve	ITT Hammel Dabi	69-4126-002	N/A	# 11B Pressurizer Spray Control Valve	· 1975	Repaired/Repl	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 lac.	10486-GX Heat Code: HTK	N/A	Cap, Pipe, 1/2 in., 3000 ib. 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 f		•	t of the Bo	nnet and Plug on 1-CV-1	00F, w	hich is #11B	
	,	_					
8. Tests Conducte	d: Hydrostatic:	Pneumatic Non	ninal Operating	Pressure: Inservice: Leakag	: 🗸 Fur	ectional:	
	Pressure:	2250 psi.	Test Ten	mperature: <u>532</u> Deg. F			
	ntal sheets in form	of lists, sketches, or d	lrawings may	be used, provided (1) size is to the time the time to			

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. A Section XI Surface Examination of the affected component was performed to satisy Section XI Pre-Service Requirements.

Certificate of Compliance We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.	conforms to the								
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A									
Signed: Charles H. Ballard Engineering Technician Date: Owner or Owner's Designee, Title	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 //-/-2-to //-/5-02, 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 //66 - National Board, State, and Endorse Date: Date: Date:	130								

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Cli	ffs Nuclear Powe	er Plant, In	ic.	Date:	6/15/20	04		J. **
1. Owner.		(name)			Date				
1650 Calvert C	liffs Parkwa	y; Lusby, MD 2 (address)	0657		Sheet 1	of 2			
2. Plant:	Calvert Cl	iffs Nuclear Pow	er Plant		Unit: _	One			
1650 Calvort C	liffe Darkway	/; Lusby, MD 2	0657	PAR	No 200	13_1_0 <i>4</i> 6	2 K/W	/O No. 120	1202400
1000 Gaivert C	illis Farkwaj	(address)	0031		110. 20		 	no., etc.)	
3. Work Performe	d by: Calver	t Cliffs Nuclear F	Power Plan	nt Dept.		ode Symbo zation No.	ol Stamp	p: <u>N/A</u>	
		(name)				te: N/A	2-11-5.5		
1650 Calvert C	liffs Parkway	/, Lusby, MD 206	657	-	_	XI Class:	T۱	NO	
4. Identification of5. (a) Applicable C(b) Applicable S	onstruction Code			me: <u>Safe</u>	mps & '			Edition, Ma	rch 1970
Name of	f Components Re Name of Manufacturer	epaired or Replaced an Manufacturers Serial Number	nd Replaceme National Board No.		ents: Other	n ·	Year Built	Repaired, Replaced, or Replacemen	
Valve V	elan Enginnering Co.	1-CKVSI-426	N/A	#13 High Pre Injection Pur Valve			1975	Repaired/Rep	l No
Check Valve	Enertech Inc.	411160 SN: 11318	N/A	Valve, Nozzi Ib., Enertech Tp. 316, Disc 630/H1075	KRV, Boo	iy SA-479,	2004	Replacement	Yes
7. Description of W This plan was fo Flow Check Valv	r the work nee	eded to replace 1-	_ CKVSI-426	6, #13 High	n Pressi	ure Safet	y Injed	ction Pump	Mini
3. Tests Conducted:	Hydrostatic: Pressure:	Pneumatic: Non	ninal Operating : Test Ten	Pressure: In	service: 82	Leakage: Deg. F	√ Fun	ctional:	
NOTE: Supplement	al sheets in form	of lists, sketches, or o	lrawings may	be used, pro	ovided (1)) size is 8-	1/2 in. >	: 11 in., (2)	

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.

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Owner or Owner's Designee, Title Charles H. Ballard Engineering Technician Date: 6/15/2004
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 2.23.04 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. SHAPITA FOR MR.
JOHN NORMS PER TELE-FAX Commissions: NB 9831, MD 1171, AN11 NB 12779', MD 1155
Date: 6-16 Inspector's Signature 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

. Pg. 1 of 2

1. Manufactured and ce			(nı	me and a	ddress of A	Certificate Holde	י בייוטוי סו	., D.Ca, UN 6202
· 2. Manufactured for	Calvert Cli	ffs Nuclea						21297-1323
, , , , , , , ,			(nam	e and add	ress of Pur	chaser)	<u> </u>	
3. Location of installatio	n Calvert Cl	liffs nuclea	ar Power Pl	ánt, 16	50 Calve	ert Cliffs Park	way, Lu	sby, MD 20657
		•			e and addre			
4. Model No., Series No	or Tune	KRV	Drawing	MD	21083	Pav	Α .	crn None
	., 0. 1,00	•						:0111
5. ASME Code, Section	III Division 1:	199	95 .	19	96	. 2		None
or Monte Code, Codion	· · · · · · · · · · · · · · · · · · ·	(editi	on)	(addend	a date)	(class)	·	(Code Case no.)
6. Pump or valve Nozzi	e Check Valve	Nominal in	let eize	2		Outlet size	2	
o. rump or rumo	;			(ln.)	 .		(in.)	
7. Material: Body SA-	479 Type 316	Bonnet	N/A	: .	niet 6A-56	4 Type 630 H1075	Bolting .	N/A
, mutchell body —		20111.91	•				Douring .	
(a)	(b)		(c)	•	• .	(d):	• • •	(e)
Cert.	Nat'l		Body	,	• • • •	Bonnet	• • • • • • • • • • • • • • • • • • • •	Disk
Holder's	Board	• ` •	Seria	•	-	Serial		Serial
Serial No.	No.		No.	•	•	No.	•	No.
11311	None	 -	KTV-3	327		None	-	KTW-3335
11312	None	 ' -	KTV-3			None		KTW-3336
11313	None	 -	KTV-3		-,	None		KTW-3337
11314	None	 -	KTV-3			None		KTW-3338
11315	None		KTV-3			None		KTW-3339
11316	None		KTV-3			None		KTW-3340
11317	None	 -	KTV-3			None	<u> </u>	KTW-3341
11318	None	·	KTV-33			None		KTW-3342
		 -						
	•	· · · ·				· · · · · ·	- -	
•					- - 			
			: .		~, ~~		· ·	
								•
•					-, 	•		
	•	•						
				·			$\equiv \cdot \equiv$	· · · · · ·
,					: . <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 % × 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.

	F	ORM NPV-	1 (Back — Pa		- Haldada Gastal Na	11311 th	nu .
				Certificati	e Holder's Serial No	:	
8. Design conditions	1600	psi	350	er or valve	pressure class	1500	
O. Design continues	(pressure) .	·	(temperature)	· · · .	biogadia ciasa		\ 1 :
9. Cold working pressure	3600	psi a	t 100°F			• •	
10. Hydrostatic test	•			urs	N/A		_ psi
11. Remarks: Qty. 8, En	ertech Projec	t Number 8	10048	·		· .	
					 		
		,		-	 		
	. •			• • • • • • • • • • • • • • • • • • • •			
<u> </u>		réa	FICATION OF D				
	•					•	ł
Design Specification certification certified by	104 07	Iohn R. Spo a J, Silverm	~~	P.E. State	MD Reg. n	02044	
	-						
		CERTIFI	CATE OF COMP	LIANCE		: ·	
				• •			- (
We certify that the statem			orrect and that th	ils pump or valve	conforms to the ru	les for construc	tion
of the ASME Code, Section			V-2826		1	0/11/05	
N Certificate of Authorizat	ion No	<u> </u>			Expired		 ·
Date 1/29/04 Na		iv. of Curtise-Wrigh IN Certificate H	t Flow Control Corp.	Signed	Jawellu (authorized repres	ululy entative)	<u> </u>
					,		
•	• .			• •	•		
	:	CERTIFI	CATE OF INSPE	CTION			
1, the undersigned, holding	g a valid comm C	nission Issued alifornia			r and Pressure Ves HSB		and
the State or Province of	nnecticut			l employed by	alve, described in	this Data Benon	
1-29.0		state that to	•	•	belief, the Certifica		
structed this pump, or valv			-	- •			
De alanias abis assellaces	naither the inc	nactor nas bis	. employee met-		avingaged as female	lod co	
By signing this certificate; component described in the	is Data Report.	Furthermore,	neither the insp	ector nor his em	ployer shall be liabl	e in any manne	
any personal injury or prop	erty damage or	a loss of any	kind arising from	or connected w	rith this inspection.		

Commissions .

(1) For manually operated valves only.

As Required by the Provisions of the ASME Code Section XI

1. Owner:		s Nuclear Powe	er Plant, li	1C.	Date: 6/15/20	104		
1650 Calvert C		Lusby, MD 2	0657		Sheet 1 of 2			,
2. Plant:	Calvert Clif	(address) fs Nuclear Pow (name)	er Plant		Unit: One		, i	
1650 Calvert C	Cliffs Parkway;	Lusby, MD 20	0657	R&R	No. 2003-1-046	b, MV	VO No. 1200	203109
3. Work Performe	ed by: Calvert	address) Cliffs Nuclear F		nt Dept.	Type Code Symbo Authorization No. Exp Date: <u>N/A</u>	ol Stamp : <u>N/A</u>		
4. Identification o	(Lusby, MD 206 address) n Number052_	System N	ame: Saf	Section XI Class: ety Injection	<u></u>	wo	
5.(a) Applicable C	Construction Code a	and Class: ASMI	E B31.7 1	969 Editic	on, Sum. 1971 A	\dd; C	lass 2	
	Sect XI Ed. for Rep.				1998 Editio			,
6. Identification o Name of Componet	f Components Report Name of Manufacturer	aired or Replaced ar Manufacturers Serial Number	nd Replacem National Board No.		ents: Other entification		Repaired, Replaced, or Replacemen	
Piping System	Bechtel	2"DC-2-1003	N/A	Injection Pu	essure Safety mp Mini Flow Recirc. Water Tank	1975	Repaired/Repl aced	No
Pipe	Albert Pipe Supply Co. Inc.	F-5630 Ht.#: 496481	N/A	Pipe, 2 in., 5 376, Tp. 304	Sch. 80, ASME SA-	1970	Replacement	No
Nut	Mackson Inc.	408227 Ht.#: S44018	N/A		Hex, 7/8 in. X 9 TPI,	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: S20751	N/A · ·	Rod, Allthro	ead, 7/8 in. X 9 TPI,	2003	Replacement	No
Flange	DuBose National Energy Services Inc.	411588 Ht.#:31438 Code: BQL	N/A	Flange, 2 in	., 1500 lb., Raised tweld, ASME SA-182,	2003	Replacement	No
Nut	Mackson Inc.	400066 Heat Code: JKX	N/A	Nut, Heavy ASME SA-1	Hex, 7/8 in. X 9 TPI, 94 Gr. 2H	2000	Replacement	No
	r the piping, fitti	ngs, hanger sup sure Safety Injed	•			upport	the replace	ment
3. Tests Conducted		Pneumatic: Nom 1310 psi.	ninal Operating Test Ter	Pressure: In perature:	nservice: Leakage: 82 Deg. F	√ Fun	ctional:	

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.

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: 6/15/2004 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 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.
DOWNED A. SHAPIRA FOR MR. SOHN NORRIS DER TETE-FAX Commissions: NB 9831, MO 1171, ANII NB 12774, MO 1155 Inspector's Signature Date: 6-16 2004

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

1. Owner:	Calvert Clif	fs Nuclear Pow	er Plant, li	nc.	Date: 6/15/20	004		
1650 Calvert	Cliffs Parkway		0657		Sheet 1 of 2		- ·	
2. Plant:	Calvert Clif	(address) ffs Nuclear Pow (name)	er Plant		Unit: One	_		
1650 Calvert	Cliffs Parkway	Lusby, MD 2	0657	R&R	No. 2003-1-056	, MW	O No. 12002	203364
3. Work Perform	ned by: Cliffs Parkway,			nt Dept.	Type Code Symbol Authorization No. Exp Date: <u>N/A</u> Section XI Class:	ol Stam : <u>N/A</u>		
4. Identification5. (a) Applicable	· ·			ode Sect.	ictor Coolant S			Class A
(b) Applicable	Sect XI Ed. for Rep		ses N-2, N	-10	1998 Editio	on		
6. Identification of Name of Componet	of Components Rep Name of Manufacturer	aired or Replaced an Manufacturers Serial Number	nd Replaceme National Board No.		ents: Other entification		Repaired, Replaced, or Replacemen	
Valve	Dresser Industrial Valve Co.	SN: BM-07953	N/A	Unit One Pro	essurizer Safety	1977	Repaired/Repi	Yes
Nozzle	Consumer Power Co. (Midland Plant Project)	06045-GX AAA26	N/A	1/2 in., Mod	iflow Relief Valve, 2 el 31739A, Dresser N, ASME SA-182 Gr.	1987	Replacement	Yes
Relief Valve	Dresser Industries Inc.	411829 SN: BN- 04373	N/A	Valve, Conse Bonnet Max Model 31739	olidated Closed iflow Safety; 2-1/2 in. PA, only for RV 200	2004	Replacement	Yes
Disc	Dresser Industries Inc.	409135 SN: XCP51	9616N/A	In., Model 31	ow Relief Valve, 2 1/2 1739A, Dresser P/N SME SB-637 Gr. 688	2003	Replacement	Yes
Relief Valve	Consumer Power Co. (Midland Plant Project)	06045-GX AAA19	N/A		l pressurizer relief	1987	Replacement	Yes
. Description of V his plan was fo	Vork: or the replaceme	nt of Unit-1 Pres	surizer Sa	fety Va lve,	1-RV-200.			
. Tests Conducted		Pneumatic: Nom 2260 psi.	inal Operating F		service: Leakage: 6 660 Deg. F	F und	ctional:	

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 Report	is to be Attached
Certificate of Complian We certify that the statements made in this report are correct and tha conforms to the rules of the ASME Code, Section XI.	ce t this <u>Repair/Replacement</u>
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	
	Charles H. Ballard pineering Technician Date: 6/15/2004
I, the undersigned, holding a valid commission issued by the National Boa and the State of Maryland and employed by ABS Consulting of Houston, Tx. in this Owner's Report during the period 3.30-04 to 6-11-04 knowledge and belief, the Owner has performed examinations and taken com Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes at the examinations and corrective measures described in this Owner's Report. I employer shall be liable in any manner for any personal injury or property dar connected with this inspection. DOWN O A SHAPIM FOR MR. JOHN MORNIS PER TELE FAX Commissions: MB 7	ard of Boiler and Pressure Vessel Inspectors have inspected the components described , and state to the best of my rective measures described in this Owner's ny warrant, expressed or implied, concerning Furthermore, neither the Inspector nor his mage of a loss of any kind arising from or
	National Board, State, and Endorsements

FORM NVR-1 REPORT (:EPAIR X MODIFICATION OR REPLACEMENT X OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by	Dresser Flow Contr	ol, Dresser Inc. La	i. Hwy 3225 @ U	ls Hwy 167 N	411829/40898 01287030/012	_
	P. O. Box 1430 Alex	(name of organi andria, Louisiana 1			(P.O. r	no., job no., etc)
2. Work performed for	Baltimore Gas & E	lectric Co. 1650 C		way Lusby, Mary	land 20657	
3. Owner Baltimore C	Gas & Electric Co. 16	50 Calvert Cliffs P	arkway Lusby, N	•		
		·	(name)			-
4. Name, address and i			(address) Baltimore Gas &	Electric Co. Cal	vert Cliffs Nuclear	Station
5. a: Repaired pressu	re relief device: S	afety Valve				
b: Name of manufa		em 1 above				
c: Identifying nos.	31739A	BN-04373	N/A	STEAM		
d. Oznatovstian Oz	(type)	(mfr's serial no.)	(Nat'l. Bd. No.		•	(year built)
d: Construction Co	de <u>ASME Section</u> (name/section/di				/ 1968 Art. 9 Code case(s))	(Code Class)
6. ASME Code Section 2	XI applicable for in se	ervice inspection:	1998		NO	NONE
7. ASME Code Section 2			(edition)	1998	ddenda) NO	(Code Case(s)) NONE
8. Construction Code us	•	_	_	(edition)	(addenda) W 1968 Art. 9	(Code Case(s)) NONE
9. Design responsibility	Same as item 1 al	-		edition)	(addenda)	(Code Case(s))
			LL-3 A12	A 0/ 0-1		
10. Opening pressure:	2485 PSIG BIG	owdown (if applica	ble)N/	<u>A</u> %. Set	pressure and bio	wdown adjustment
made at: Wyle Labor	atories, Huntsville, Al	abama (location)			_ Using	Steam (test medium)
11. Description of work:		entifying number o				nspected, Repaired
Assembled, & Tested. F P/N 1840801N, S/N 287 2220219, & Adj. Ring Pi	2/2-2; Disc P/N 1840	404N, S/N ADK-5				
			· · · · · · · · · · · · · · · · · · ·		····	-
12. Remarks: Base w	as modified on owner	r's purchase order	411554, Dresse	r order no. 31-52	548-0.	
I. <u>R.U. CIWER</u> Correct and the repair, rr Code and the National B	odification or replace	certify that to the bement of the press	ure relief devices	edge and belief th		de in this report are tion XI of the ASME
National Board Certificat	•			to use the "VR"	stamn expires	6-29-2004
National Board Certificat				the "NR" stamp e	, -	6-30-2005
- 2/. c /out	Same as Item			1/1/11/1		uality Engineer
Date	(name of certifica		(authorized re	presentative)	NUN U	(title)
I, B.C. Dost Inspectors and certificate Hartford Steam Boiler Ins described in this report o replacement has been co "NR" rules. By signing this certificate modification or replacement	of competency issue spection and Insurance in 1/24/64 completed in accordance, neither the undersigent described in this r	nolding a valid comed by the jurisdiction of Harmon and state the ce with Section XI med nor my employeport. Furthermore	on of Louisian rtford, CT hav hat to the best of of the ASME Co yer makes any ve, neither the un-	by The National Ename inspected the reference in my knowledge and the Nation warranty, express dersigned nor my	epair, modification nd belief, this rep nal Board Inspect ed or implied, con employer shall b	air, modification or ion Code "VR" and
manner for any personal Date 3666	injury, property dama Signed	ige or loss of any	tind arising from	or connected with		'N' Loled
ay all a						ncl. endorsements), and o.)

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

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

flanufactured and certified byP	. O. BOX 1430 Alexandria, I	ame and address of NPT Certi	ficate Holder)		
Manufactured forCalvert Cliffs N	luclear Power Plant P.O. Bo	x 17323 820 G & E Bu	ilding Baltimore Mo	121297-1323	
the effectable on Onlyand	Niffe Nivelage Dignt 4650 C	(name and address of pur			
ocation of installation Calvert C	ims Nuclear Plant, 1650 Ca	name and add			
ype OS417	SB637 (inconel X-750)	170 K		N/A	2003
(drawing no.)	(mat'l spec. no.)	(tensile stre	ngth)	(CRN)	(year bu
SME Code Section III, Division 1:	1968 (edition)	Winter 1968 (addenda date)	1		N/A
abricated in accordance with Cons			(dass) evision N/		Code Case r
		(no)			
emarks: Serial Numbers Are U	sed In Lieu Of NPT Stampir	ng.			
<u> </u>		·			
om. thickness (in.) N/A Min.	docien thickness (in)	N/A Die ID / G R in) N/A Lengt	h overall (ft. 8	k in.)
hen applicable, Certificate Holder	s' Data Reports are attache	d for each item of this	eport:		, <u> </u>
			<u> </u>		
5-1	National	5			
Part or Appurtenance Serial Number	National Board No.	Part or A	Appurtenance al Number	Nati Boan	
Serial Number	in Numerical Order	Serie Serie	a Number	in Numeri	
i					ica: Oraci
(1) ADK59		(26)		<u> </u>	
(2)		(27)			
(3)		(28)			
(4)		(29)			
(5)		(30)			
(6) (7)		(32)		 	
(8)		(33)			
(9)		(34)			
io)		(35)			·····
11)		(36)			
		(37)			
	★	(38)			
3)					
3) 4)		(39)			
3) 4) 5)		(39) (40)			
(3) (4) (5) (6)		(39) (40) (41)			
(3) (4) (5) (6) (7)		(39) (40) (41) (42)			
33)		(39) (40) (41) (42) (43)			
33)		(39) (40) (41) (42) (43) (44)			
33)		(39) (40) (41) (42) (43)			
4.4		(39) (40) (41) (42) (43) (44) (45) (46) (47)			
13) 14) 15) 16) 17) 18) 19) 20) 21)		(39) (40) (41) (42) (43) (44) (45) (46) (47) (48)			
13) 14) 15) 16) 17) 18) 19) 20) 21)		(39) (40) (41) (42) (43) (44) (45) (46) (47)			

^{*} 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.

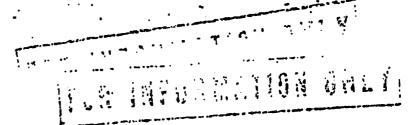
FORM N-2 (Back — Pg. 2 of 2)

	Centificate Holi	ders Senai Nos.	ADK59	_ and	
	CERTIFICATION O	F DESIGN			
Design specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. No.	N/A
Design report* certified by	N/A (when applicable)	P.E. State	N/A	_ Reg. No	N/A
We certify that the statements made in conforms to the rules of construction of	CERTIFICATE OF CO	is (these) DISC			
NPT Certificate of Authorization No.	N-2434	Expires	5	/20/2004	
Date <u>3/3/03</u> Name	SEE LINE 1 (NPT Certificate Holder)	Signed	(authorized	representative)	
	CERTIFICATE OF IN				
	yed by H. S. B. I. & I. Co.		<u>'</u>		
of HARTFORD, CT. have inspectively have inspected best of my knowledge and belief, the Certifical III, Division 1. Each part listed has been autility by signing this certificate, neither the inspection this Data Report. Furthermore, neither the or loss of any kind arising from or connected the content of	horized for stamping on the date sho stor nor his employer makes any warr e inspector nor his employer shall be	s or appurtenances in acc wn above. anty, expressed or implie	ordance with	the equipment d	, Section escribed
Date 3/10/03 Signed 6	uthorized Nuclear Inspector)	(Nati. Bd. (inc	d. endorsements) and state or prov.	and no.)

FORM NY-1 N CERTIFICATS HOLDERS' DATA REPORT FOR SAFETY AND SAFETY RELIEF YALVES'
(AS REQUIRED BY THE PROVISIONS OF THE ASHE CODE, SECTION 111, DIV. 1)

(MANE AND ADDRES	IS OF H CERTIFICATE HOLDE	in)	- 47505
abcock & Wilcox PWT.Gen	I.Div., P.O.Box 1260	, Lynchburg	, Va. 24303
(NAME AND AUDRES	SS OF FURCHASER OR GRNER))	
ATION CONSUMETS POWER CO	., Midland unit i,	Midlend, ca	ich.
		10	70
			R DSILT)
		,	· Parer's
JATITAL OGLIU	_ IDENTIFYING NOS	ASIEINEAE. BUILL	
	•	Millionic nome	.RS SERIAL .NV.,
	.A33		
• •	•		611
ANGO EDMINYE ()	WLET SIZE	OUTLET SIZE	HEH
• • •	******	670	•
	-		125 °F
297,845 LBS/HR. 6	3 & OVERPRESSURE BL	(BIZ9) MWODWO.	125
SIG) INLET 3750 PSIG			
			CLOSED SYSTEM: "V
· · - · - ·			i.
IDENTIFICATION			
- 4.4	CA 100		
		3r. 1510	
B/AK/AAA4U	SAIUJ		
R/D/AAA26	SA-182 (C- F-347	
B/F/AABO9			
15023	SA-105		
M6356B	SB-164 C		
C17887			
AH210			<u> </u>
DC-34	SA 193 G	ir. B7	
		-	
79207	SA-182 G	1- 2716	
	ATION CONSUMERS POWER CO (NAME AND ADDRES ATION CONSUMERS POWER CO (NAME AND ADDRES 4CP-2432 (DRAVING HO.) 9A-1-X2-OS278 EL NO., SERIES HO.) (SAFETY, SAFETY RELIEF; PILOT; BOO INCH 2500 297,845 SAT. STEAM SIG) INLET 3750 PSIG PIECES SERIAL NO. OR IDENTIFICATION B/A/AAA19 B/AR/AAA40 R/D/AAA26 R/F/AAR09 15023 M6356B C17887 AH210	Red Red	(MAME AND ADDRESS OF M SERVIFICATE HOLDER) SECOCK & WILCOX PWT.Gen.Div., P.O. Box 1260, Lynchburg (NAME AND ADDRESS OF PURCHASER OR GUMER) ATIOM CONSUMEYS POWER CO., Midland Unit 1, Midland, M. (NAME AND ADDRESS) 4GP-2432 258 19 (ORAWING HO.) (NAT'L BRG.NO.) (YEAR OR GUMEN) (ORAWING HO.) (NAT'L BRG.NO.) (YEAR OR GUMEN) SEL NO., SERIES HO.) (CLASS I (SAFETY.SAFETY RELIEF; PILOT; POWER ACTUATED) BOO EQMINAL INLET SIZE 221 CUTLET SIZE INCH INCH 2500 RATED TEMPERATURE 670 297,845 LBS/NR. e.3 & OVERPRESSURE BLOWDOWN (PSIG) SAT.STEAM SIG) INLET 3750 PSIG OUTLET 1050 PSIG (APPLICABLE TO VALVES FOR COMPLICABLE TO VALVES FOR COMPLETE TO VALVES F

^{*}SUPPLEMENT SHEETS IN FORM OF LISTS SKETCHES OR ORAVINGS MAY BE USED PROVIDED (1) SIZE IS 8-1/2" X 11" (2) INFORMATION IN ITEMS 1-2 OH THIS DATA REPORT IS INCLUDED OH EACH SHEET, AND (3) EACH SHEET IS HUMBERED AND HUMBER OF SHEETS IS RECORDED AT TOP OF THIS FORM.



FORM NY-1 (BACK)

CERTIFICATE OF COMPLIANCE
WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THAT THIS VALVE CONFORMS TO THE RULE 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 SISNED Dresser IVID SY SISNED DRESSER TOTO BY Principal Quality Assurance Engine OUR ASHE CERTIFICATE OF AUTHORIZATION NO. N-1747 TO USE THE NV
SYMBOL EXPIRES May 20, 1980 (NY)
CERTIFICATION OF DESIGN DESIGN INFORMATION ON FILE AT <u>Dresser Plant</u> , Alexandría, La. STRESS ANALYSIS REPORT (CLASS I ONLY) ON FILE AT <u>Dresser Plant</u> , Alexandría, La.
DESISH SPECIFICATIONS CERTIFIED SY Tohn W. Merchent
PE STATE Virginia RES. HO. 4418
STRESS REPORT CERTIFIED BY Y.S. Lai
PE STATE Touisiana RES.NO. 14105
SIENATURE NOT REQUIRED-LIST NAME ONLY
CERTIFICATE OF SHOP INSPECTION
1. 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 STURM BOILER F. G. L.
COMPANY OF HARTFORM, CCMM, HAVE INSPECTED THE PURP.OR VALVE, DESCRIBED IN THIS DATA REPORT ON $1-26$ 19.78, and state that to the best of by knowledge and belief, the M certificate holder has constructed this pump, or yalve, in accordance with the aske code for nuclear power plant components.
BY SIGNING THIS CERTIFICATE, NEITHER THE INSPECTOR NOR HIS EMPLOYER KAKES ANY WARRANGY. EXPRESSED OR IMPLIF CONCERNING THE EQUIPMENT DESCRIBED IN THIS DATA REPORT, FUTHERMORE, 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
PROM OR CONNESTED WITH THIS INSPECTION. DATE 1-26- 19 78 SIGNED FOR T. COMMISSIONS National Board No. 7876
(MAT'L.BD.STATE PROY. AND NO.)

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

					<u> </u>			
1. Owner:	Calvert Clif	fs Nuclear Powe	er Plant, Ir	ic.	Date: 6/15/20	04		
1650 Calvert C	liffs Parkway	(name) r; Lusby, MD 2	0657		Sheet 1 of 2			
-		(address)	· · · · · · · · · · · · · · · · · · ·		Chock V Cr 2			
	Calvert Cli	ffs Nuclear Pow	er Plant	*	Unit: One			
2. Plant:	Ourrent On	(name)		1.5	Unit: One	_		
1650 Calvert C	liffs Parkway	; Lusby, MD 2	0657	R&R	No. 2003-1-056	a, MV	/O No. 1200	203364
	<u></u>	(address)			(P.C	no., job	no., etc.)	
	Calver	t Cliffs Nuclear F	Power Pla	nt Dent.	Type Code Symbo	l Stamp	p: <u>N/A</u>	
3. Work Performed	by: <u>Julion</u>	(name)		Бора	Authorization No.:	<u>N/A</u>		
		` '			Exp Date: N/A			
1650 Calvert Cl	iffs Parkway	, Lusby, MD 200	557 		Section XI Class:	0	ne	
		(address)		 D	-4 014 0-	4		
4. Identification of	System: Syste	m Number 064	System Na	ame: <u>Re</u> a	ctor Coolant Sy	/stem		
5. (a) Applicable Co	onstruction Code	and Class: ASM	E B31.7 1	969 Editic	n, Sum. 1971 A	dd; C	lass 1	
(h) Amaliachla Sa	ct VIEd for De	pairs/Replacement	-	2	1998 Editio	n		
(b) Applicable Se	ct XI Ed. 101 Re	pans/replacement –		<u>.</u>	1000 20111			
6. Identification of	Components Re	paired or Replaced as	nd Replacem	ent Compone	ents:		Repaired,	ASME Code
Name of	Name of	Manufacturers	National		Other	Year		
Componet I	Manufacturer	Serial Number	Board No.	Ide	entification	Built	Replacemen	(Yes or No
Piping System	Bechtel	2 1/2"CC-10-1007	N/A	#11 Pressuri: Relief Valve	zer Piping to Safety 1-RV-200	1975	Repaired/Repl aced	No
Nut	Mackson Inc.	409779 Heat Code: AGM	N/A	Nut, Heavy ASME SA-1	Hex, 1 1/8 in. X 8 TPI, 94 Gr. 7	2003	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthre ASME SA-1	ead, 1 1/8 in. X 8 TPI, 93 Gr. B7	1999	Replacement	No
7. Description of We	ork:							
This plan was for		ent of pressure r	etaining fa	stener mat	erials to assist in	the r	eplacement	of Unit-
1 Pressurizer Sat			•	-				
8. Tests Conducted:	Hydrostatic:	Pneumatic No	ninal Operating	Pressure: h	nservice: Leakage: {	Fur	nctional:	
	Pressure:	<u>N/A</u> psi.		nperature:	N/A Deg. F	_		
NOTE: Supplementa information in Items								neets is

_

recorded at the top of this form.

9. Remarks:

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

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. Engineering Owner or Owner's Designee, Title	
Certificate of Inservice Inspection	
I, the undersigned, holding a valid commission issued by the National Board of Board the State of Maryland and employed by ABS Consulting of Houston, Tx. have in in this Owner's Report during the period 3-30-04 to 6-11-04 knowledge and belief, the Owner has performed examinations and taken corrective in Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrathe examinations and corrective measures described in this Owner's Report. Furthern employer shall be liable in any manner for any personal injury or property damage of connected with this inspection.	spected the components described , and state to the best of my neasures described in this Owner's ant, expressed or implied, concerning nore, neither the Inspector nor his
DONALD A · SHAPITH FOR MR. JOHN NORRIS PER TEZE-FAX Commissions: NB 9831 78 6-22-04 NB 12779; Date: 6-17 200 4	, MD 11 71 , AVII MD 1155 Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

			•	:					
1. Owner:		Nuclear Powe	er Plant, In	с.	Date: _	6/18/20	04		•••
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657		Sheet 1	of 2			
	(4	address)						. P	
2. Plant:	Calvert Cliff	s Nuclear Pow	er Plant		Unit:	One			
	, (I	name)		·.		-	_		
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657	R&R	No. 200	04-1-027	, MW	O No. 12002	203390
	(1	address)				(P.C). no., jol	no., etc.)	
0 W 1 D C	Calvert	Cliffs Nuclear I	Power Plan	nt Dept.	Type Co	ode Symbo	ol Stamp	p: <u>N/A</u>	
3. Work Perform	icu by.	name)		ic popu	Authori	zation No.	: <u>N/A</u>	:	
	•	•			_	e: <u>N/A</u>			
1650 Calvert	Cliffs Parkway,		6 57 		Section	XI Class:	0	ne	
	•	ddress)		Boo	C-	alant C			
4. Identification	of System: System	Number <u>064</u>	System Na	me: Rea	ictor Co	olant Sy	ystem		
5.(a) Applicable	Construction Code a	_			-	5 Edition	ı, Win	. 1967 Add;	Class A
		CCas	ses: 1335-2	2, 1336, 13	359-1				ż
(b) Applicable	Sect XI Ed. for Repa	irs/Replacement _			199	98 Editio	n		
6. Identification	of Components Repa	ired or Replaced a	nd Replaceme	nt Compone	ents:				ASME
	•	•	-	•				Repaired,	Code
Name of	Name of	Manufacturers	National	;	Other		Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Ide	ntificatio	n, -	Built	Replacemen	(Yes or No)
Pressure Vessel	Combustion Engineering	Vessel SN: 67107; Head SN: 67207	20911	Unit #1 Reac	tor Vessel	nd Head	1971	Repaired/Repl aced	Yes
ICI Flange	ABB Combustion Engineering	95991-GX SN: 94- 0855	' N/A	Flange, 5 in. Tongue, Blir ICI's, ASTM	nd with 6 h	oles for	1994	Replacement	No
Plug	BGE CCNPP Shops	0200101511 SN: 011, 012 & 013	N/A	Plug, Incore 12148-03,AS	Detection	Seal, Dwg.	2001	Replacement	No
7. Description of	Work:								
This plan was f	or the installation #1 Reactor Vess	_			and a ne	w In Co	e Inst	rumentation	

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.

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician 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 $4-24-04$ to $5-10-04$, 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. Downer's Report of Boiler and Pressure Vessel Inspectors and the Same inspection of Boiler and Pressure Vessel Inspectors and the Same inspection of Boiler and Pressure Vessel Inspector Furthermore, and the components described in this Owner's Report. By signing this certificate 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.
MARNIN COATS PER TELE-FAX Commissions: NB 9292, MD. 1165 NB 12779, MD 1155 Date: 6-22-04 200 4 National Board, State, and Endorsements

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

						_		
1. Owner:	Calvert Cli	ffs Nuclear Pow	rer Plant, In	C. Da	te: 6/15/20	004		* * * *,
1650 Calvert C	Cliffs Parkway	/; Lusby, MD	20657	Sh	eet 1 of 2			
		(address)	•					
2. Plant:	Calvert Ci	iffs Nuclear Pov	wer Plant	Ur	_{it:} One			
		(name)						
1650 Calvert C	liffs Parkway	; Lusby, MD	20657	R&R No	2004-1-010	, MW	D No. 12002	203521
		(address)		-	(P.	O. no., job	no., etc.)	
2 W 1 D C	Calver	t Cliffs Nuclear	Power Plan	t Dept. Ty	pe Code Symbo	ol Stamp	p: <u>N/A</u>	
3. Work Performe	ed by:	(name)		Au	thorization No	: <u>N/A</u>		
		. ,			p Date: N/A			
1650 Calvert C	liffs Parkway	, Lusby, MD 20	0657	Sec	ction XI Class:	<u>T</u> \	NO	
		(address)					•	
4. Identification of	f System: Syste	m Number 083	System Na	me: Main S	team & SG	Blowd	own	
5. (a) Applicable C	Construction Code	and Class: ASN	IE B&PV Co	ode Sect. III,	1977 Edition	n, Win	. 1979 Add	Class 2
(b) Applicable S	ect XI Ed. for Re	pairs/Replacement			1998 Editi	on .		(
6. Identification of	f Components Re	paired or Replaced	and Replaceme	nt Components:				ASME
	. •		•	•		•	Repaired,	Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Otl Identifi		Year Built	Replaced, or Replacemen	Stamped
Valve	Fisher Controls	8252433-436	N/A	#11 Steam Genera Feed Water Pump Control Valve		1980	Repaired/Replaced	Yes
Plug, Primary	Fisher Controls Intl., Inc.	76678-GX SN: LB3717-1	N/A	Plug, Primary, 6 Vaive, ASME SA Stellite, BGEDRY item 67	-479, Gr. 316L /	1992	Replacement	Yes
7. Description of W	lotk.					-	٠.	
-	r the work and	part needed to	rebuild 1-CV	'-40 70 , #11 S	team Gener	ator Au	uxiliary Feed	i Water
ump otoum ou	pp.y common t							
B. Tests Conducted	Hydrostatic:	Pneumatic: N	ominal Operating I	Pressure: Inservi	ce: Leakage:	☐ Fun	ctional:	
	Pressure:	<u>N/A</u> psi.	Test Tem	perature: <u>N/A</u>	Deg. F			
NOTE: Supplement	tal sheets in form	of lists, sketches, or	drawings may	be used, provid	ed (1) size is 8-	1/2 in. >	c 11 in., (2)	_

9. Remarks:

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

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Owner or Owner's Designee, Title Charles H. Ballard 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 2-/2-04 to 5-8-04, 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.
MR. JOHN NOIREIS PER TELE-FAX Commissions: NB 9831, MO 1/71, ANII 6-14-2004 NB 12779, MO 1/53
Inspector's Signature National Board, State, and Endorsements

003B-P21C18573

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL TEM 0001 **NUCLEAR PARTS AND APPURTENANCES***

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

		one Day & Froduc		rg, or
Manufactured and certified byF	ISHER CONTROLS INT	L INC, MARSHA	LLTOWN, IOWA	50158
Manufactured for Baltimore	Gas & Flactric Co			21202
Manufactured for	das a biccoric co	iname and address of pure	(haser)	21203
Location of installationCalve	rt Cliffs Nuclear	Station, Lusby	, Md. 20657	
		.name and addre	:557	
Type 34A2071 Rev G S	A-479-S31603 'mat 1. spec. no.1	70.0 KSI	N/A ICRNI	1993
		-	2	
ASME Code, Section III:	reditions ac	r 1979 Idenda data)	(class)	ICode Case no.1
Fabricated in accordance with Cons	st. Spec. (Div. 2 only) - N/	Revision	n N/A	DateN/A
Tablegad in pocologica with Colle	71. Opoo. (D.V. 2 omy/ <u>22. 23.</u>	(no.)	JN	Vale
Remarks:				
		4.1		
				
PARTS ARE FOR V	ALVE S/N 8252433-43	36		
Nom, thickness (in.) N/A M			N/A len	oth overall (fr. & in.) N/A
When applicable, Certificate Holder				
:				į
: Part or Appurtenance	-Nat ional	Part or A	Appurtenance	National National
Serial Number	Board No.	Seria	i Number	Board Number
	-in-Numerical-Order Heat Number			in Numerical Order
(1) LB3717-1	31333-1	(26)		,
(2)		(27)		
(3)		(28)		
(4)		•		
(5)		(30)	·	
(6)		(31)	·	<u></u>
(7)		,		
18)				
(9)		•		1
(11)				
(12)		i (37)		
(13)				
(14)	· · · · · · · · · · · · · · · · · · ·	(39)	·	
(15)		(40)		
(16)				
11/1				
(18)		143)		
(20)				
(21)				
1221	,			
(23)		•		
(24)		(49)		
		1		

N/A

(when applicable)

at temp. °F

_ °F. Hydro, test pressure.

580

psi. Temp.

1000

10. Design pressure.

(12/86) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8% × 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. Seri	al No	
	CERTIFICATION OF DES	GN			
Design specifications certified by	Robert F. Ash	P.E.	State Md.	_ Reg. no	9198
Design report* certified by	N/A (when applicable)	P.E	. State N/A	Reg. no	N/A
	CERTIFICATE OF SHOP COM	PLIANCE			
We certify that the statements made in this conforms to the rules of construction of the		Р.	rimary Plug		
NPT Certificate of Authorization No.	1930	Expires1	1-18-95		· · · · · · · · · · · · · · · · · · ·
Date 7-1-93 Name FISHE	R CONTROLS INT L INC	_ Signed <u>Dac</u>	ed Z	Sung esentative)	n
	CERTIFICATE OF SHOP INSP	ECTION			
∴ ••signed, holding a valid commiss	sion issued by the National Board of Boile HARTFORD S.B.	r and Pressure Ves	sel inspectors and	the State or	Province of
of MARTFORD, CONN have inspec		port on	1-2-93	, and stat	e that to the
best of my - nowledge and belief, the Certi	ficate Holder has fabricated these parts o	r appurtenances in	accordance with	the ASME C	ode, Section
III. Each part listed has been authorized for	stamping on the date shown above.				
By signing this certificate, neither the inspi	· · · · · · · · · · · · · · · · · · ·	• • •			
in this Data Report. Furthermore, neither th	• •	e in any manner fo	r any personal inju	ry or propert	y damage or
loss of any kind arising from or connected	with this inspection.				
Date 7-2-93 Signed #	(Authonized Infogicior)	Commissions _	P22	工人.	prov. and no.1

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Clif	fs Nuclear Pow	er Plant, li	nc.	Date: 6/17/2	004		
1. Owner.		(name)		****	Date.			
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657	:	Sheet 1 of 2			į
		(address)	-	, F1				•
2. Plant:	Calvert Cii	ffs Nuclear Pow	ver Plant	•	Unit: One			
i		(name)						
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R	No. 2003-1-032	2, MW	O No. 12002	203958
		(address)			·	•	b no., etc.)	
3. Work Perform	med by: Calver	Cliffs Nuclear	Power Pia	nt Dept.	Type Code Symb	ol Stam	p: <u>N/A</u>	
J. WOLK FELIOLI	incu by.	(name)		•	Authorization No	.: <u>N/A</u>	<u>.</u>	
					Exp Date: N/A			
1650 Calvert	Cliffs Parkway	, Lusby, MD 20	657 	<u> </u>	Section XI Class:	0	ne	
		(address)						
4. Identification	of System: Syste	m Number <u>064</u>	System N	_{ame:} Rea	ctor Coolant S	ystem	<u> </u>	
						_		
5. (a) Applicable	Construction Code	and Class: ASM	E B&PV C	ode Sect.	III, 1983 Editio	n, Sun	n. 1983 Add	; Class 1
(h) Applicable	Sect XI Ed. for Re	nairs/Replacement		•	1998 Editi	on		
(с) пррисцоїс	Dect 711 Ed. 101 100	-		*				_ · · · · · · · · · · · · · · · · · · ·
6. Identification	of Components Rep	paired or Replaced a	nd Replacem	ent Compone	ents:			ASME
•							Repaired,	Code
Name of	Name of	Manufacturers	National		Other	Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Ide	ntification	Built	Replacemen	(Yes or No)
RCP Seat	Sulzer Bingham Inc.	SN: 1C869	NB 1294	#12A Reactor Mechanical S	r Coolant Pump Seal	1988	Repaired/Repi	Yes
Seal	BGE CCNPP Shop	s 1200202602 SN: 1C870	NB 1290	875B-3V Co	dge Assembly (RCP) mplete Sulzer er FCR 87-0074	2003	Replacement	Yes
7. Description of	Work:							
_		ent of the mecha	anical seal	on #12A R	eactor Coolant I	Pumn		
This plan was	ioi ale replacein		iriloai ocai	On macric	Cactor Cociant	ump.		
8. Tests Conducte	ed: Hydrostatic:	Pneumatic: No	minal Operating	Pressure: In	nservice: Leakage:	✓ Fu	nctional:	
	Pressure:	2260 psi.	Test Ter	nperature:	532 Deg. F		,	
				- ,	-			
information in Iter	ms 1 through 6 on th	of lists, sketches, or his report is included						neets 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.

_	
	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 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 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.
	DOWALD A - SHAP IPA FOR MR. JOHN NURLIS PER TELE-FAX Commissions: NB 9831, MO1171, ANI
	JOHN NURIUS PER TELE-FAX Commissions: NB 9831, MO1171, ANII NB 12779, MD1153
	Date: 6-18 Inspector's Signature National Board, State, and Endorsements

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

î

•=-	Column Cliff	is Nuclear Daw	or Dioné In	#4 #4	0145104			
1. Owner: _		fs Nuclear Pow	er Plant, ir	1C. 1	Date: 6/15/20	04		
1650 Calvert	Cliffs Parkway	`	0657		Sheet 1 of 2			ċ
2. Plant:	Calvert Clif	fs Nuclear Pow (name)	er Plant	τ	Jnit: One			
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657	R&R N	o. 2003-1-008	, MW	O No. 12002	203966
		(address)	<u></u> .		•	. •	no., etc.)	
3. Work Perform	nea by.	Cliffs Nuclear I	Power Pia	A P	Type Code Symbo Authorization No.	-		
1650 Calvert	Cliffs Parkway,	Lusby, MD 20	657		Exp Date: <u>N/A</u> Section XI Class:	0	ne	
4. Identification	· ·	n Number 064	System Na	ame: React	or Coolant S	ystem		
5. (a) Applicable	Construction Code		E B&PV C		, 1968 Edition	ı, Win	. 1968 Add;	Class A
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement		ī	1998 Editio	on		
6. Identification	of Components Rep	aired or Replaced a	nd Replacem	ent Component	s:		Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	_	other ification	Year Built	Replaced, or	
Valve	Dresser Industrial Valve Co.	SN: BM-07952	N/A	Unit One Pressu Relief Valve	ırizer Safety	1977	Repaired/Repl	Yes
Nozzle	Dresser Industries Inc.	86592-GX SN: AAB60	N/A	1/2 in., Model 3	ow Relief Valve, 2 31739A, Dresser ASME SA-182 Gr.	1987	Replacement	Yes
Relief Valve	Dresser Industries Inc.	404679 SN: BM- 07948	N/A		lated Closed ow Safety; 2-1/2 in. only for RV 201	2002	Replacement	Yes
Disc	Dresser Industries Inc.	95597-GX SN: ACM73	N/A	in., Model 3173	Relief Valve, 2 1/2 9A, Dresser P/N 1E SB-637 Gr. 688	1995	Replacement	Yes
7. Description of This plan was t	Work: for the replaceme	ent of Unit-1 Pre	ssurizer Sa	afety Val ve, 1	-RV-201.			
3. Tests Conducte		Pneumatic Noi 2260 psi.	minal Operating Test Ten	_	vice: Leakage: 60 Deg. F	∑ Fun	ctional:	

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.

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: <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: 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
DONALD A. SHAPINA FOR MR.
John Noruris Per Trie-FAX Commissions: NB 9831, M01171, ANII Selector's Signature Date: 6-16 200 4



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 Un	e Day's Production	Page 1
			Dresser Valve & Controls Div.	
Manu	ufactured and certifie		k 3225 North, Alexandria, LA	71309-1430
		(Name and Address of Cert		3
Manu	ufactured for Baltim	ore Gas & Electric P. O. and Address of Purchaser)	Box 1535 Baltimore, MD 2	1203-1635
Locat	tion of Installation!	Baltimore Gas & Electric 165	O Calverts Cliffs Parkway Lust	oy, MD 20657
Type	OS417	Name and Address) SB637 Inconel X750	N/A N/A	1995
iype	(Drawing No.)		ensile Strength) (CRN)	(Year Built)
ASM	E Code, Section III:	1968 Winter	<u> </u>	N/A
		(Edition) (Addende)	(Class)	(Code Case No.)
Fabric	cated in accordance	with Const. Spec. (Div. 2 or	(No.)	n N/A Date N/A
Rema	arks: <u>N/A</u>		(140.)	
) N/A Dia. 1D (ft.&in.) N/A	
vvner	n applicable, Certifica	ite molders' data reports are	attached for each item of thi	is report.
	Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtanance Serial Number	National Board No. In Numerical Order
m	ACM 71		(26)	
	ACM 72 '		(27)	
	ACM 73		(28)	
	ACM 74		(29)	
1	,			
1	ACM 75		(30)	
	ACM 76		_(31)	
17			(32)	
(8)			[33]	
(9)		 	[34]	
1101	,		_/351_/	<u> </u>
un	· · · · · · · · · · · · · · · · · · ·		(36)	
1121			_(37)	
(13)			(38)	
(14)			(39)	
(15)			(40)	
116)			_(41)	
1171	 		(42)	
(18)		1	[43]	
(19)			[44]	
120)			(45)	<u> </u>
(21)			(45)	
		<u> </u>	(47)	
1001				
		1	(49)	1
1241		_ 	149)	

^{*}Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8 ½ 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.

		CERTIFIC	CATE OF DESIGN	N		,*
Design specifications		N/A applicable)	P.E	N/A	Reg. no	N/A
Design report* certifi	ed by	N/A	P.E	N/A	Reg. no	N/A
We certify that the st			OF SHOP COMP	:		
conform to the rules						
NPT Certificate of Au	thorization No	N-24:	34	, Expires	May 20, 1995	
Date <u>//27/95</u>	_ NameSee (NPT Certifica	Line 1	Sign	red		
		ERTIFICATE (OF SHOP COMP	LIANCE		
I, the undersigned, he and the state or provi of Hartford, CT, have state that to the best appurtenances in access stamping on the date	ince of Louisiana inspected these of my knowledge ordance with the	and employed items describe e and believe,	l by The Hartford ed in this data re the Certificate H	d Steam Boiler eport on Holder has fabi	Inspection & Inst I 30 / 55 ficated these part	urance Co., and
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 1/30/55	_ Signed Authori:	Discontinuo C	Commissions	lat'l. Bd. (incl. en	dorsements) state or p	4864 prov. and no.)

-

• ..

•

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

_										
1.	Owner:	Calvert Clif	fs Nuclear Powe	er Plant, In	ıc.	_ Date: _	6/15/20	04		
			(name)							
16	50 Calvert (Cliffs Parkway	; Lusby, MD 20	0657		Sheet 1 c	f 2			
			(address)		-	-				
2	Diant	Calvert Cli	ffs Nuclear Pow	er Plant	•	Unit:	One			
Z.	Plant:		(name)			. Ош		-		
16	50 Calvert C	Cliffs Parkway	; Lusby, MD 20	0657	R&F	R No. 200	3-1-008	a, MV	/O No. 1200	203966
			(address)				(P.C	o. no., jol	no., etc.)	
•	Work Performe	.a.b Calvert	Cliffs Nuclear F	ower Plan	nt Dept.	Type Co	de Symbo	l Stamp	p: <u>N/A</u>	
э.	WORK Perioring	ed by:	(name)			Authoriz	ation No.	<u>N/A</u>		
			` ,			Exp Date	e: <u>N/A</u>			
16	50 Calvert C	liffs Parkway	, Lusby, MD 206	557		Section 2	XI Class:	0	ne	
			(address)		•					
4.	Identification o	f System: System	m Number 064	System Na	me: Re	actor Co	olant Sy	/stem		 _
5. (a) Applicable C	Construction Code	and Class: ASMI	E B31.7 19	969 Editi	on, Sum	1971 A	dd; C	lass 1	
(b) Applicable S	ect XI Ed. for Rep	pairs/Replacement			199	8 Editio	n	र्ज	
6.	Identification o	f Components Rep	paired or Replaced ar	nd Replaceme	ent Compor	nents:				ASME
		• .	• • •				•		Repaired,	Code
	Name of	Name of	Manufacturers	National	: .	Other		Year	Replaced, or	Stamped
	Componet	Manufacturer	Serial Number	Board No.	. Id	lentification	l	Built	Replacemen	(Yes or No)
	Piping System	Bechtel	2 1/2"CC-10-1008	N/A	#11 Pressur Relief Valve	rizer Piping to e 1-RV-201	Safety	1975	Repaired/Repl aced	No
	Nut	Mackson Inc.	409779 Heat Code: AGM	N/A	Nut, Heavy ASME SA-	y Hex, 1 1/8 iı -194 Gr. 7	a. X 8 TPI,	2003	Replacement	No
	Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A		read, 1 1/8 in. ·193 Gr. B7	X 8 TPI,	1999	Replacement	No
7. T	Description of W	Vork:								
This	s plan was fo		ent of pressure re	etaining fas	stener ma	aterials to	assist ir	the r	eplacement	of Unit-
		11d	Paramatic		_					
s. T	ests Conducted	: Hydrostatic:		ninal Operating		Inservice:	Leakage:	_j Fun	ectional:	
		Pressure:	<u>N/A</u> psi.	Test Ten	perature:	<u>N/A</u>	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.

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: 6/15/2004
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 1 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.
DOWNED A . SHAPIRA FOR MR. SOHN NOICIZIS PER TEZE - FAY Commissions: NB 9831, MO 1171 AVII NB 12779, MO 1155 Inspector's Signature Date: 200

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

		•							
1. Owner:	Calvert Clif	fs Nuclear Pow	er Plant, In	ic.	Date: _	6/15/20	04		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657		Sheet 1	of 2 📴	÷		
		(address)							. ,
2. Plant:	Calvert Cli	ffs Nuclear Pov	ver Plant		Unit: _	One	<u>.</u>		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657	R&R	No. 200	3-1-057	, MW	O No. 12002	204093
		(address)				(P.C	. no., jol	no., etc.)	
3. Work Perform	ned by: Calvert	Cliffs Nuclear	Power Plan	nt Dept.		de Symbo ation No.:	-		
		(name)		٠			14/74		
1650 Calvert	Cliffs Parkway	Lushy MD 20	657	_	Exp Dat	XI Class:	_		
- TOJU Galvert		(address)			Section .	AI Class:		ne	
4. Identification		m Number <u>064</u>	System Na	me: Rea	ctor Co	olant Sy	/stem	<u> </u>	··
5. (a) Applicable	Construction Code	· ·	E B&PV Co ses 1581,			Edition	, Win	. 1968 Add;	Class A,
(b) Applicable	Sect XI Ed. for Rep	pairs/Replacement			199	8 Editio	n		
6. Identification	of Components Rep	paired or Replaced a	and Replaceme	ent Compone	ents:				ASME
	-		-	. .				Repaired,	Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Ide	Other ntification	1	Year Built	Replaced, or Replacemen	Stamped
Valve	Dresser Industries	BM-07951	N/A	Unit #1 Press Power Opera			1996	Repaired/Repl	No
Electromatic Relief Valve		402603 SN: BS- 07325	N/A	Valve, Press 2500 lb., Cor Electromatic XFF1-NC200	nsolidated c, P/N: 3153		2001	Replacement	No
7. Description of	Work:				-				
-	for the replacem	ent of Unit-1 Pre	ssurizer Po	wer Opera	ated Rel	ief Valve	1-ER	V-404.	
3. Tests Conducto	ed: Hydrostatic:	Pneumatic: No	ominal Operating	Pressure: In	nservice: 🔲	Leakage: [✓ Fun	ictional:	
	Pressure:	<u>2260</u> psi.	Test Ten	perature:	<u>660</u>	Deg. F		-	
TOTE C	ental cheets in form	of lists, sketches, or	drawinge mar	the used are	wided (1)	ciza ic Q-1	1/2 in 3	v 11 in (2)	

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.

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 6/15/2004 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 $8-21-03$ 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. 314AFIRA FOR MR. JUHN NOIRIS PLY TEZE-FAX Commissions: NB 9831, MD1171 ANII
Date: 6-16 200 4 Commissions: NB 9831, MD1171 AVII NB 12779, MD1155 National Board, State, and Endorsements

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

1. Owner:	Calvert Clif	fs Nuclear Powe	r Plant, In	C	Date: 6/15/20	04		
1650 Calvert C	liffs Parkway	(name) ; Lusby, MD 20	0657		Sheet 1 of 2			
		(address)					•	
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant	·	Unit: One			
		(name)		•.	-	_	•	•
1650 Calvert C	liffs Parkway	; Lusby, MD 20)657	R&R	No. 2003-1-057	a, MW	/O No. 1200	204093
		(address)			(P.C). no., job	no., etc.)	
3. Work Performe	d by: Calvert	Cliffs Nuclear F	ower Plan	t Dept.	Type Code Symbo	_		
5. WOLK Performe	u by	(name)			Authorization No.:	: <u>N/A</u>		
4650 Calvert C	liffa Barlavov	Luchy MD 206	· E 7		Exp Date: N/A	_		
1650 Calvert C		, Lusby, MD 206 (address)			Section XI Class:		ne	
4. Identification of		m Number 064	System Na	me Re	actor Coolant Sy	vstem		
4. Identification of	a system. System	in realineer	System Iva	me, - <u>120.</u>		<u> </u>		
5. (a) Applicable C	onstruction Code	and Class: ASMI	E B31.7 19	69 Editio	on, Sum. 1971 A	dd; C	lass 1	
(b) Applicable So	ect XI Ed. for Rep	pairs/Replacement		*	1998 Editio	n	3 - 4-	-
6. Identification of	Components Rep	paired or Replaced ar	nd Replaceme	nt Compon	ents:			ASME
		•	•	•			Repaired,	Code
Name of	Name of	Manufacturers	National	:	Other	Year	Replaced, or	•
Componet	Manufacturer	Serial Number	Board No.	Id	entification	Built	Replacemen	(Yes or No
Piping System	Bechtel	2 1/2"CC-10-1004	N/A	#11 Pressur 404	izer Piping to 1-ERV-	1975	Repaired/Repl aced	l No
Nut	Nova Machine Products Corp.	38612 Heat Code: MVJ	N/A	Nut, Heavy ASME SA-	Hex, 1 1/8 in. X 8 TPI, 194 Gr. 7	1999	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthi ASME SA-	ead, 1 1/8 in. X 8 TPI, 193 Gr. B7	1999	Replacement	No
. Description of W	ork:			* **				
-	r the replacem	ent of fastener m -ERV-404.	aterials to	support tl	ne replacement o	f the L	Jnit-1 Press	urizer
3. Tests Conducted:	Hydrostatic:	Pneumatic: Non	ninal Operating I	Pressure:	Inservice: Leakage: [Fun	nctional:	
	Pressure:	<u>N/A</u> psi.	Test Tem	perature:	N/A Deg. F			
NOTE: Supplement	al sheets in form	of lists, sketches, or o	Irawings may	be used, p	rovided (1) size is 8-	1/2 in. 2	x 11 in., (2)	

9. Remarks:

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

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 Owner or Owner's Designee, Title Charles H. Ballard 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 $4-28-04$ to $6-1/-04$, 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.
DUNALD A. SHAPIRA FOR MR. JOHN NORMS PER TETE-FAX Commissions: NB 9831, MD 1/71, ANII NB 12779, MO 1155 Inspector's Signature Date: 6-16 200 4

As Required by the Provisions of the ASME Code Section XI

				7					
1. Owner:		fs Nuclear Pov	ver Plant, li	nc.	Date: _	6/18/20	04	•	
1650 Calvert	Cliffs Parkway	Lusby, MD	20657		Sheet 1	of 2			
		^(address) ffs Nuclear Po	vor Plant			0			
2. Plant:		(name)	Wet Flatt		Unit: _	One			
1650 Calvert	Cliffs Parkway;	Lusby, MD	20657	R&R	No. 20	03-1-058	, MW	O No. 12002	204377
	((address)					-	no., etc.)	
3. Work Perform	ned by: Calvert	Cliffs Nuclear	Power Pia	nt Dept.		ode Symbo			
	((name)				zation No.:	1N/A	•	
1650 Calvert	Cliffs Parkway,	Lusby, MD 20	0657		_	te: <u>N/A</u> XI Class:	^	ne	
		address)		· · · · · · · · · · · · · · · · · · ·	Beetion	AI Class.		116	
4. Identification	`	n Number 064	System Na	_{ame} . Rea	ctor Co	olant Sy	/stem	\	
				,					
5. (a) Applicable	Construction Code	and Class: ASN	ME B&PV C	ode Sect.	III, 196	B Edition	, Win	. 1968 Add	Class A
			ses 1581,				<u> </u>	<u>`</u>	· · · · · · · · · · · · · · · · · · ·
			1363 1301,	N-2, N-10					
(b) Applicable	Sect XI Ed. for Rep			N-2, N-10		98 Editlo	n	· .	
	Sect XI Ed. for Rep	airs/Replacement			19	98 Editlo	n		ASME
		airs/Replacement			19	98 Editlo	n	Repaired	ASME Code
6. Identification of	of Components Rep	airs/Replacement aired or Replaced Manufacturers	and Replacem	ent Compone	19	98 Editlo		Repaired, Replaced, or	Code
6. Identification	of Components Rep	airs/Replacement	and Replacem	ent Compone	19:	·	Year		Code Stamped
6. Identification of	of Components Rep	airs/Replacement aired or Replaced Manufacturers	and Replacem	ent Compone	nts: Other ntificatio	n etromatic	Year	Replaced, or	Code Stamped (Yes or No)
6. Identification of Name of Componet	of Components Rep Name of Manufacturer	airs/Replacement aired or Replaced Manufacturers Serial Number	and Replacem National Board No.	ent Compone Ide Unit #1 Press	Other ntificatio urizer Elected Safety urizer ERV asolidated p. P/N: 315.	n ctromatic Valve 7, 2 1/2 in.	Year Built	Replaced, or Replacemen Repaired/Repl	Code Stamped (Yes or No)
Name of Componet Valve Electromatic Relief Valve	of Components Rep Name of Manufacturer Dresser Industries Wyle Laboratories	airs/Replacement aired or Replaced Manufacturers Serial Number BM-07950 412522 SN: BY-	and Replacem National Board No. N/A	Ide Unit #1 Press Power Opera Valve, Press 2500 lb., Cor Electromatic	Other ntificatio urizer Elected Safety urizer ERV asolidated p. P/N: 315.	n ctromatic Valve 7, 2 1/2 in.	Year Built 1975	Replaced, or Replacemen Repaired/Repl aced	Code Stamped (Yes or No)
Name of Componet Valve Electromatic Relief Valve 7. Description of Valve	of Components Rep Name of Manufacturer Dresser Industries Wyle Laboratories	airs/Replacement aired or Replaced Manufacturers Serial Number BM-07950 412522 SN: BY-77325	nad Replacem National Board No. N/A N/A	Unit #1 Press Power Opera Valve, Press 2500 lb., Cor Electromatic XFF1-NC200	Other ntificatio urizer Elected Safety urizer ERV assolidated , P/N: 315.05	n Vaive 7, 2 1/2 in. 33VX-30-2-	Year Built 1975 2004	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No)
Name of Componet Valve Electromatic Relief Valve 7. Description of Valve	of Components Rep Name of Manufacturer Dresser Industries Wyle Laboratories	airs/Replacement aired or Replaced Manufacturers Serial Number BM-07950 412522 SN: BY-77325	nad Replacem National Board No. N/A N/A	Unit #1 Press Power Opera Valve, Press 2500 lb., Cor Electromatic XFF1-NC200	Other ntificatio urizer Elected Safety urizer ERV assolidated , P/N: 315.05	n Vaive 7, 2 1/2 in. 33VX-30-2-	Year Built 1975 2004	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No)
Name of Componet Valve Electromatic Relief Valve 7. Description of Valve	Name of Manufacturer Dresser Industries Wyle Laboratories Work: or the replacement	airs/Replacement aired or Replaced Manufacturers Serial Number BM-07950 412522 SN: BY- 77325	National Board No. N/A N/A essurizer Po	Ide Unit #1 Press Power Opera Valve, Presss 2500 ib., Cor Electromatic XFF1-NC200	onts: Other ntification urizer Elected Safety urizer ERV assolidated c, P/N: 315.	n Vaive 7, 2 1/2 in. 33VX-30-2-	Year Built 1975 2004	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No)

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.

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.
comorms to the rules of the Asime Code, Section Al.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician 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 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 FER TELE-FAX Commissions: NB 9292, ABNIS, MD 1165 28 6-22-04 NB 12779, MD 1155
Date: 6-2 Inspector's Signature National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Clif	fs Nuclear Pow	er Plant, In	ic.	Date: 6/18/20	004	٧.	
1. Owner:		(name)			Date:		•	
1650 Calvert C	liffs Parkway	; Lusby, MD 2	0657		Sheet 1 of 2	-		,
		(address)						
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant		Unit: One			
		(name)						
1650 Calvert C	liffs Parkway	; Lusby, MD 2	0657	R&R	No. 2003-1-058	Ba, MV	/O No. 1200	204377
		(address)		5	•	•	no., etc.)	
3. Work Performe	d by: Calvert	t Cliffs Nuclear I	Power Piar	nt Dept.	Type Code Symb	•		
		(name)	•		Authorization No	: <u>N/A</u>	:	
1650 Calvert C	liffs Parkway	, Lusby, MD 20	657		Exp Date: N/A Section XI Class:	^	ne	
1000 0411011 0		(address)			Section At Class.		ne	
4. Identification of		m Number 064	System Na	me: Rea	actor Coolant S	vstem	1	
			-,000	1		-		*****
5. (a) Applicable C	onstruction Code	and Class: ASM	E B31.7 19	969 Editio	on, Sum. 1971 <i>A</i>	\dd; C	lass 1	
(b) Applicable So	ect XI Ed. for Re	pairs/Replacement		•	1998 Editi	on	n. P	
	_	· -					 	
6. Identification of	Components Rep	paired or Replaced a	nd Replaceme	ent Compon	ents:			ASME
Name of	Name of	Manufacturers	National		Other	Year	Repaired, Replaced, or	Code Stamped
	Manufacturer	Serial Number	Board No.	Id.	entification	Built		-
Piping System	Bechtel	2 1/2"CC-10-1003	N/A	#11 Pressur 402	zer Piping to 1-ERV-	1975	Repaired/Repl aced	l No
Nut	Nova Machine Products Corp.	38612 Heat Code: MVJ	N/A	Nut, Heavy ASME SA-	Hex, 1 1/8 ln. X 8 TPI, 194 Gr. 7	1999	Replacement	No
Rod	Nova Machine Products Corp.	38612 Heat Code: MWX	N/A	Rod, Allthr ASME SA-	ead, 1 1/8 in. X 8 TPI, 193 Gr. B7	1999	Replacement	No
	ork:							
Description of W								urizor
-		ent of fastener m	naterials to	support tr	ne replacement d	of the l	Jnit-1 Press	unzer
This plan was for	the replacem		naterials to	support th	ne replacement c	of the l	Jnit-1 Press	unzer
This plan was for Power Operated	the replacem Relief Valve 1	-ERV-402.	naterials to		ne replacement c		Jnit-1 Press	unzei
 Description of W This plan was for Power Operated Tests Conducted: 	the replacem Relief Valve 1	-ERV-402.	minal Operating		_			unzei

9. Remarks:

connected with this inspection.

Date: 6-22 Inspector's Signature 200 4

DONALD A. SHAPIRA FOR MR.

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 Engineering Technician 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 $4 \cdot 28 \cdot 04$ to $6 \cdot 10 \cdot 04$, 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

MARVIN COATS PER TITE-FAN Commissions: NB 9292, ABNIS, MD 1165

National Board, State, and Endorsements

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

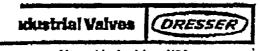
1. Owner:	Calvert Clif	fs Nuclear Powe	er Plant, I	nc.	Date:	11/17/2	003			
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	3	Sheet 1	of 2				•
		(address)								
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant	·.·	Unit: _	One				
		(name)								
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R	No. 20	02-1-052	, MW	O No. 1200	20458	30
		(address)				(P.C	D. no., jol	no., etc.)		
2 W 1 D - C	Calvert	Cliffs Nuclear F	Power Pla	nt Dept.	Туре С	ode Symbo	ol Stam	p: <u>N/A</u>		
3. Work Perform	ned by:	(name)		эори	Author	ization No.	: <u>N/A</u>	:		
					_	te: <u>N/A</u>				
1650 Calvert	Cliffs Parkway	, Lusby, MD 206	6 57	· .	Section	XI Class:	0	ne		
		(address)		:						
4. Identification	of System: System	m Number 064	System N	ame: Rea	actor C	polant S	ystem			
		10: 4011			400	0 = 1141 =				• .
5. (a) Applicable	Construction Code				111, 196	8 Edition	i, Win	ter 1968 Ac	id; C	lass
•		A, CC	Cases N-2	, N-10-0			•	•	•	•
(b) Applicable S	Sect XI Ed. for Rep	airs/Replacement			19	98 Editio	n			
6 Identification	of Commonante Par	 paired or Replaced ar	nd Danlacem	ent Common	ents:	. •				
6. Identification (n Components Kel	alted of Keplaced at	ıd Kebiacem	ent Compon	enis:			Daniel - J	ASN	
Name of	Name of	Manufacturers	National	. * *	Other		Vest	Repaired, Replaced, or	Coo Stam	
Componet	Manufacturer	Serial Number	Board No.	Ide	entification	n		Replacemen		-
Valve	Dresser Industrial Valve Co.	SN: BN-04373	N/A	Unit One Pro	essurizer S	afety	1977	Repaired/Repi	1	Yes
Nozzle	Dresser Industries Inc.	15988-GX SN: ACS 96	N/A	Nozzle, Max 1/2 in., Mod P/N 4231701 F347	el 31739A,	Dresser	1996	Replacement	 - ·	Yes
Relief Valve	Dresser Industries Inc.	404679 SN: BM- 07953	N/A	Valve, Conso Bonnet Max Model 31739 location.	iflow Safet	y; 2-1/2 ln.	2002	Replacement		Yes
Disc	Dresser Industries Inc.	95597-GX SN: ACM 76	N/A	Disc, Maxifi in., Model 31 1840404N, A	1739A, Dre	sser P/N	1995	Replacement		Yes
7. Description of V	Vork:									
=		ent of Unit-1 Pres	surizer Se	fetv Velve	1 - R\/-1	200				
This plan was it	n die replaceme	an or ome relea	SUITE OF	HOLY VEIVE	, 1-1\V - 2			•		
8. Tests Conducted		Pneumatic: Nom 2250 psi.	ninal Operating Test Ten		nservice: 594	Leakage: [Deg. F	∠ Fun	ctional: 🔲		

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.

Certificate of Compliance We certify that the statements made in this report are correct and that this Repair/Replacement conforms to to rules of the ASME Code, Section XI.	he
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: Charles H. Ballard Engineering Technician Date: 11/17/200	<u>3</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	
Date: 12/1/03 200 3 Commissions: 116 9831 AUL 1910 1711	



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

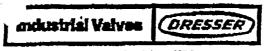
Page 1 of 1

Manufactured and certifie		Dresser Valve & Controls Div. Index 3225 North, Alexandria, LA 713						
Manufactured for Baltimore Gas & Electric P. O. Box 1535 Baltimore, MD 21203-1535								
(Name a	nd Address of Purchaser)							
		Calverts Cliffs Parkway Lusby,	MD 20657-4702					
TypeOS417	Name and Address) - SA182 Gr. F347 75	KSI N/A	1996					
(Drawing No.)		ansile Strength) (CRN)	(Year Built)					
ASME Code, Section III D	ivision 1:1968 Winter 198	Article 9 (Cl. 1)	N/A					
-	(Edition) (Addenda)		(Code Case No.)					
	with Const. Spec. (Div. 2 on	γ} <u>N/A</u> Revision <u>I</u> (No.)	V/A Date N/A					
Remarks: N/A								
		N/A Dia. ID (ft.&in.) N/A Lenettached for each item of this re						
Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order					
(1) ACS95		(26)						
*121 ACS98 *		(27)						
(3)		(28)	•					
(4)		(29)						
(5)		(30)						
(6)		(31)						
(7)		(32)						
(8)		(33)						
(9)		134)						
(10)		(35)						
(11)		(36)						
(12)		(37)						
(18)		(38)						
(14)		(39)						
		(40)						
(15)		(41)						
(16)								
		(42)	<u>··</u>					
(1R)								
(19)		(44)						
(20)		1451						
(21)		[46]						
(22)		(47)						
(23)		148)						
(24)		149)						
1	1	(50)						

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

	• • •				
Design specifications certified by(when	N/A n applicable)	P.E	N/A	Reg. no	N/A
Design report* certified by	N/A	P.E	N/A	Reg. no	N/A
We certify that the statements made i	in this report a		hat this (these)) Nozzies	
conform to the rules of construction of NPT Certificate of Authorization No	,			May 20, 1998	
Date Sept 11, 1996 Name See	Line 1 ata Holder)	Sign	ed <u>R</u> orized representat	Thomas (ve)	
	CERTIFICA'	TE OF INSPECTI	ON		
I, the undersigned, holding a valid come and the state or province of Louisiana of Hartford, CT, have inspected these state that to the best of my knowledge appurtenances in accordance with the for stamping on the date shown above	and employed items describe ge and believe, ASME Code, S	i by The Hartford ed in this data re the Certificate H	d Steam Boiler sport on lolder has fabri	Inspection & Insu	urance Co., and
By signing this certificate, neither the inconcerning the equipment described in shall be liable in any manner for any perconnected with this inspection.	n this data repo	ort. Furthermore	, neither the in	nspector nor his e	employer
Date 9/11/96 Signed Authorize	Ced inspector)	ommissions	at"i. Bd. (incl. end	orsements) state or p	664 Fov. 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

Page 1 of 1

		-							
	Henry Continued and applica		., Dresser Valve & Controls Div. I & 3225 North, Alexandria, LA 7						
1.	Manufactured and certified	(Name and Address of Ce	d 3225 North, Alexandria, LA /	1309-1430					
2.	Manufactured for Baltimore Gas & Electric P. O. Box 1535 Baltimore, MD 21203-1535 (Name and Address of Purchaser)								
3.	Location of InstallationB	altimore Gas & Electric 16	50 Calverts Cliffs Parkway Lusb	y, MD 20657					
4.	Type OS417	lame and Address) SB637 Inconel X750	N/A N/A	1995					
=	(Drawing No.)		Tensile Strength) (CRN) er 1968 A Article 9	(Yeer Built) N/A					
J.	ASME Code, Section III:	(Edition) (Addende)	(Class)	(Code Case No.)					
5.	Fabricated in accordance v	vith Const. Spec. (Div. 2 o	nly) N/A Revision	N/A Date N/A					
7.	Remarks: N/A		(No.)						
8. 9.			attached for each Item of this						
	Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order					
	(1) ACM 71		(26)						
	121 ACM 72		(27)						
	(3) ACM 73		(28)						
	(4) ACM 74		(29)	·					
	(5) ACM 75		(30)						
	18 ACM 78		(31)						
	(7)		(32)						
	(8)	-	(33)						
	(9)		(34)						
	(10)		(35)						
	(11)		(36)						
	(12)		(37)						
	(13)		(38)						
	(14)		(39)						
			(40)						
	(15)								
i	(16)								
	(17)		(42)						
İ	(18)		[43]						
	(19)		(44)						
,	(20)		(45)						
	(21)		(46)						
	,	<u> </u>	(47)	, 					
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and the state of t	trans						
	(24)		(49)						
- 1	(25)		(50)						

^{*}Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is $8 \% \times 11$, (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.

	CER	TIFICATE OF DES	SIGN		••		
Design specifications cert	tified by N/A (when applicable)	P.E	N/A	Reg. no	N/A		
Design report* certified b	yN/A	P.E	N/A	Reg. no	N/A		
	CERTIFICA	TE OF SHOP CO	MPLIANCE	<u>.</u>			
We certify that the statem conform to the rules of co	nents made in this repo enstruction of the ASM	irt are correct and IE Code, Section	d that these disc III.		<u></u>		
NPT Certificate of Authori	ization NoN	-2434	Expires	May 20, 1995			
Date <u>//27/95</u> Na	rne <u>See Line 1</u> (NPT Cardificate Holder)	S	iigned				
	CERTIFICAT	TE OF SHOP COM	MPLIANCE				
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							
By signing this certificate, concerning the equipment shall be liable in any manne connected with this inspec	described in this data refer for any personal inju	report. Furtherm	ore, neither the i	inspector nor his er	mployer		
Date 1/30/55 Sign	ned Authorized Inspector)	_ Commissions _	[Nat'l. Bd. (Incl. enc	iorsaments) state or pro	664 ov. and no.)		

.

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) 2. Plant: Calvert Cliffs Nuclear Power Plant (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) (address) (r.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 (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, Summer 1971 Add; Class One (b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Replaced, or Products Inc. Rod Allied Nat & Boit 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1992 Replacement Co. Inc. ASME SA-193 Gr. B7 Replacement ASME SA-193 Gr. B7										
Calvert Cliffs Nuclear Power Plant Unit: One Calvert Cliffs Nuclear Power Plant Unit: One Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-062, MWO No. 12002 N/A Nuthorization No.: N/A Nuthorization No.: N/A No. No. 12002 N/A Nuthorization No.: N/A Nuthorization Nuthorization Nuthorization Nuthorization Nuthorization Nuthorization Nuthorization Nuthorization Nut			103	11/17/20	Date: _	er Plant, Inc.	ar Pov		Calvert Cli	1. Owner:
(address) 2. Plant: Calvert Cliffs Nuclear Power Plant (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-062, MWO No. 12002 (address) 3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: N/A Authorization No.: N/A Exp Date: N/A Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One 1650 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class: One 1650 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class: One 1750 Code Symbol Stamp: N/A Section XI Class: One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class: One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class: One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class: One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class: One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class One 1850 Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A Section XI Class One 1850 Calvert Cliffs Nuclear Power Pla				at 2	Chart 4	0657	MD :	• •	liffs Parkway	1650 Calvert
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. 12002 (address) (p.O. no., job no., etc.) (p.O. no., job no., etc.) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A 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, Summer 1971 Add; Class One (b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Component Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Relict Valve 1-RV-200 Nut Cardinal Industrial Products Inc. Rod Allied Nat & Boit 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-193 Gr. B7 Replacement ASME SA-193 Gr. B7 Replacement ASME SA-193 Gr. B7	•			01 2	Sneet 1		,		, into t directal	1000 04.70.1
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-062, MWO No. 12002	*	-			-		. •	•		
(address) 3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Calvert Cliffs Parkway, Lusby, MD 20657 (address) 4. Identification of System: System Number Calvert Cliffs Parkway, Lusby, MD 20657 (address) 4. Identification of System: System Number Calvert Cliffs Parkway, Lusby, MD 20657 (address) 4. Identification of System: System Number Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: Ni/A Authorization No.: Ni/A Exp Date: Ni/A Section XI Class: One Reactor Coolant System 1998 Edition 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 Ni/A Pressurtzer Piping to Safety Replaced, or Replaced Nut Cardinal Industrial S7533-GX Ni/A Nut, Beavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 Ni/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7			_	One	Unit:	er Plant	ear Pov	liffs Nucl	Calvert Cl	2. Plant:
(address) 3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Calvert Cliffs Nuclear Power Plant Dept. (name) Calvert Cliffs Nuclear Power Plant Dept. (name) Exp Date: N/A Exp Date: N/A Section XI Class: One (address) 4. Identification of System: System Number O64 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 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 Nut Cardinal Industrial 57533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7			_					(name)		
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A Authorization No.: N/A Exp Date: N/A 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, Summer 1971 Add; Class One (b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-193 Gr. B7 Type Code Symbol Stamp: N/A Authorization No.: N/A Authorization No.: N/A Suthorization	04580				R&R No. 200	0657	, MD 2	<u> </u>	liffs Parkway	1650 Calvert
3. Work Performed by: (name) (name) (name) (name) (address) 4. Identification of System: System Number 064 (b) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One (b) Applicable Sect XI Ed. for Repairs/Replacement 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial F7533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement Co. Inc. Asme SA-193 Gr. B7			-	-				(address)		
Authorization No.: N/A Exp Date: N/A Section XI Class: One 4. Identification of System: System Number 064 System Name: Reactor Coolant System 5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Relief Valve 1-RV-200 acced Nut Cardinal Industrial 57533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement Co. Inc. ASME SA-193 Gr. B7		»: <u>N/A</u>	Stamp:	ode Symbol	ept. Type Co	Power Plant D	uclear	rt Cliffs N	د Calver	2 Wouls Dougs
Exp Date: N/A 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, 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 Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt 18438 N/A Rod, Allithread, 1 1/8 in. X 8 TPI, 1992 Replacement Co. Inc. ASME SA-193 Gr. B7			<u>N/A</u>	zation No.:	Authori				а ву:	3. WORK Periorii
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 Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial 57533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement Co. Inc.				te: <u>N/A</u>	Exp Dat			()		
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 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt 18438 N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-193 Gr. B7 Rod Allied Nut & Bolt Co. Inc. N/A Rod, Allitread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7		пе	On	XI Class:	Section	557	, MD 20	y, Lusby	liffs Parkway	1650 Calvert
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 Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety 1975 Repaired/Replacement Repaired, N/A Pressurtzer Piping to Safety 1975 Repaired/Replacement Relief Valve 1-RV-200 aced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7				•			•	(address)		
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 Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety 1975 Repaired/Replaced Nut Cardinal Industrial 57533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7			stem	polant Sy	Reactor Co	System Name:	064	tem Number	System: Syste	4. Identification
6. Identification of Components Repaired or Replaced and Replacement Components: Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 Replacement Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt 18438 N/A Rod, Allithread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7	}	; Class One	i Add;	mer 1971	Edition, Sum	E B31.7 1969	ASM	le and Class:	onstruction Code	5.(a) Applicable
Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt Co. Inc. N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt Co. Inc. Rod Allied Nut & Bolt SA-193 Gr. B7			n .	98 Editio	199		cement	epairs/Repla	ect XI Ed. for Re	(b) Applicable S
Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacement Replacement Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 aced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt Co. Inc. N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt Co. Inc. Rod Allied Nut & Bolt SA-193 Gr. B7	ASME				Components:	d Replacement C	eplaced a	epaired or R	Components Re	6. Identification of
Name of Name of Manufacturers National Other Year Replaced, or Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurtzer Piping to Safety Relief Valve 1-RV-200 1975 Repaired/Replaced Nut Cardinal Industrial Products Inc. Rod Allied Nut & Bolt Co. Inc. 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, ASME SA-193 Gr. B7 Replacement ASME SA-193 Gr. B7	Code	Renaired			•		•	. •	•	
Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Piping System Bechtel 2 1/2"CC-10-1007 N/A Pressurizer Piping to Safety Relief Valve 1-RV-200 1975 Repaired/Replacement Relief Valve 1-RV-200 aced Nut Cardinal Industrial 57533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt Co. Inc. 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7		•			Other	National	cturers	Manufa	Name of	Name of
Relief Valve 1-RV-200 aced Nut Cardinal Industrial 57533-GX N/A Nut, Heavy Hex, 1 1/8 in. X 8 TPI, 1992 Replacement ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement Co. Inc. ASME SA-193 Gr. B7	•	•		n	Identification	Board No.	lumber	Serial N	Manufacturer	Componet
Products Inc. ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement Co. Inc. ASME SA-194 Gr. 7 Rod Allied Nut & Bolt 18438 N/A Rod, Allthread, 1 1/8 in. X 8 TPI, 1998 Replacement ASME SA-193 Gr. B7	No		1975	afety			C-10-1007	2 1/2"(Bechtel	Piping System
Co. Inc. ASME SA-193 Gr. B7	No	Replacement	1992	ın. X 8 TPI,			3-GX	iai 5753.		Nut
	No	Replacement	1998	ı. X 8 TPI,	•		138 .	lt 184		Rod
7. Description of Work:	•								ork:	Description of V
This plan was for the replacement of pressure retaining fastener materials on 1-RV-200 on the Inlet flar the piping system 1#CC10-1007.	ige to	the Inlet flar)0 on t	n 1-RV-20	er materials or	etaining fasten	essure		the replacem	his plan was fo
3. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure: Inservice: Leakage: Functional: Pressure: N/A psi. Test Temperature: N/A 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.

Certificate of Compliance We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Owner of Owner's Designee, Title Charles H. Ballard 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.
Date: 12 / Inspector's Signature Date: 12 / 1

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

1. Owner:		Nuclear Pow	er Plant, In	C. Date:	01/24/2003	-	
	• •	ame)					
1650 Calvert C	liffs Parkway;		20657	Sheet 1	of A		
	•	ddress)					
2. Plant:	Calvert Cliff	s Nuclear Pov	ver Plant	Unit: _	One		
-	(1	ame)					
1650 Calvert C	liffs Parkway;	Lusby, MD 2	20657	R&R No. 20	02-1 - 060, MW	/O No. 12002	204888
	(a	ddress)			•	ob no., etc.)	
3. Work Performe	d by: Calvert	Cliffs Nuclear	Power Plan	IL DEDL.	ode Symbol Star		
J. II OLA I OLIOLA		ame)		•	ization No.: N/	<u>A</u>	
16ED Colvert C	liffs Parkway,	Luchy MD 20	657	-	te: <u>N/A</u>	0	
1050 Calvert C		ddress)		Section	XI Class:	One_	
4. Identification o	•	Number 064	System Na	me: Reactor C	oolant Syster	m ·	
i. Administration of		•					
5. (a) Applicable C	Construction Code a	nd Class: ASN	E B31.7 1	969 Edition, Sun	nmer 1971 Ac	id; Class On	e
(h) Applicable S	ect XI Ed. for Repa	irs/Replacement		19	98 Edition		
		•					
6. Identification 0	f Components Repa	ired or Replaced	and Replacem	ent Components:			ASME
37 E	Name of	Manufacturers	National	Other	Yea	Repaired,	Code
Name of Componet	Manufacturer	Serial Number	Board No.	Identification			
	Bechtel	N/A	N/A	#11 Pressurizer Instru			<u> </u>
Tubing System			IVA	#11 F ressurizer Instru	mentation 1970	Repaired/Repi	l No
Tubing	Consolidated Power Supply	20439 Ht. #44204	2 N/A	Tubing, 1/2 in. X .065 ASME SA 213, Tp. 31		•	No
Tubing Nut	Mid Atlantic Instrumentation Inc	18402-GX Heat Code: TIH	N/A	Nut, Tube, 1/2 in. Par Haunifin, P/N 8BZ-SS ASTM/ASME A/SA18	<u>.</u>	7 Replacement	No
				A/SA479, Tp. 316			
Tubing Ferrule	Mid Atlantic Instrumentation Inc	18402-GX Heat Code: CEKU	N/A	Ferrule, Tube, 1/2 in. Hansilin, P/N 8TZ-SS ASTM/ASME A/SA18 A/SA479, Tp. 316	,	7 Replacement	No
Tubing Union	Parker Hannifin Corp	77567-GX Heat Code: CBTD	N/A	Union, Tube, 3/4 in. X in.,Parker Hannifin, F SS, ASTM/ASME A/S A/SA479, Tp. 316	/N 12TZ-	Replacement	No
7. Description of V	Vork:	,					
_		parts needed to	replace tui	oing and fittings u	nstream of 1-	HVRC-1180	a drain
	nent 1-LT-110X.		ropiado (a.	onig and mange a	pouloum or r	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
8. Tests Conducted	: Hydrostatic:	Pneumatic: N	ominal Operating	Pressure: Inservice:	Leakage: I	Functional:	
	Pressure:	<u>N/A</u> psi.	Test Ter	nperature: <u>N/A</u>	Deg. F		
				y be used, provided (

9. Remarks:

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

Certificate of Compliance We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 01/24/2003 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period
MD980
Commissions: NB 7822 ABIN 115
Inspector's Signature National Board, State, and Endorsements Date: 2/2/ 2003

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Clif	ffs Nuclear Pow	er Plant, Ir	nc.	Date: _	6/15/20	04		
1650 Calvert	i Cliffs Parkway	; Lusby, MD 2	0657	••	Sheet 1	of 2			•
	<u> </u>	(address)	,,,						
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant	· · · · · · · · · · · · · · · · · · ·	Unit: _	One	_		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R	No. 200	3-1-022	a, MV	/O No. 1200	205233
		(address)			······································	(P.O	no., jol	no., etc.)	
3. Work Perform	med by: Calver	t Cliffs Nuclear I	Power Pla	nt Dept.		ode Symbol			
		(name)	·-			zation No.:	N/A		
4650 Calvert	Cliffo Danlayes	Luchy MD 30	6E7		-	e: <u>N/A</u>	_		
1650 Caiven	Clins Parkway	, Lusby, MD 20 (address)	007		Section	XI Class:	<u></u>	WO	
4. Identification5. (a) Applicable	of System: Syste Construction Code	m Number <u>041</u>	System Na			/olume C /alves, 1		ol Edition, Mar	ch 1970
	. •	Add;	Class 2						
(b) Applicable	Sect XI Ed. for Re	pairs/Replacement			199	98 Editio	-		
	•					o Luitio	14		
6. Identification	of Components Re	paired or Replaced a	nd Replacem	ent Compone		- Laitio		Domainad	ASME
6. Identification Name of Componet	of Components Re Name of Manufacturer		nd Replacem National Board No.	ia.				Repaired, Replaced, or Replacemen	Code Stamped
Name of	Name of	paired or Replaced a Manufacturers	National	ia.	ents: Other	1	Year	Replaced, or	Code Stamped (Yes or No)
Name of Componet	Name of Manufacturer Velan Engineering Co.	paired or Replaced a Manufacturers Serial Number	National Board No.	Ide	Other entification Pump Disc	niharge in., 1500 ections,	Year Built	Replaced, or Replacemen Repaired/Repl	Code Stamped (Yes or No)
Name of Componet Valve Check Valve 7. Description of	Name of Manufacturer Velan Engineering Co. Enertech Inc.	paired or Replaced a Manufacturers Serial Number 1-CKVCVC-165	National Board No. N/A N/A	#11Charging Check Valve Valve, Nozzi Ib., Large G Enertech, Tp 212M3N)	Other entification Pump Disconnection Check, 2 roove connection, KRV (M	n harge in., 1500 ections, ark#	Year Built 1975 2002	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) Yes
Name of Componet Valve Check Valve 7. Description of	Name of Manufacturer Velan Engineering Co. Enertech Inc. Work: for the replacem	Manufacturers Serial Number 1-CKVCVC-165 408934 SN: 11273	National Board No. N/A N/A	#11Charging Check Valve Valve, Nozzi Ib., Large Gi Enertech, Ti 212M3N) Charging F	Other entification Pump Discrete, 2 roove conn p. KRV (M	n harge in., 1500 ections, ark #	Year Built 1975 2002	Replaced, or Replacement Repaired/Replaced Replacement	Code Stamped (Yes or No) Yes

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.

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 Charles H. Ballard 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 7-24-03 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. SHAPINA FOR MR.
JOHN NORIZIS PER TETE-FAX Commissions: NB 9 8 31, MD 1171, ANII ND 12779, ND 1155
Date: 6-16 Inspector's Signature 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

Pg. 1 of __2

1. Manufactured and ce	rtified by Enerted	ch, A Div. of Curtiss-	Wright Flow C	Control Corp., 2950	Birch St	., Brea, CA 92821
•		•		of N Certificate Holder	-	
2. Manufactured for	Calvert Cliffs	s Nuclear Power P			e, MD 2	1297-1323
			ne and address o			***
3. Location of installation	on Calvert Cliff	is nuclear Power P	lant; 1650 C	alvert Cliffs Park	way, Lu	sby, MD 20657
			(name and	•		
4. Model No., Series No	o., or Type	KRV Drawing	MD2099	00 Rev	1	CRN None
		••	,			
5. ASME Code, Section	Ht. Division 1:	1995	1996	1		None None
		(edition)	(addanda date	g) (class)	•	(Code Case no.)
6. Pump or valve Nozz	le Check Valve	Nominal inlet size	. 2	Outlet size	(in.)	<u> </u>
		1	(In.)	11	(in.)	•
7. Material: Body SA	-479 Type 316	BonnetN/A	Disk	SA-479 Type 316	Bolting	N/A
(a)	: (b)	(c)	'. (d)		(e)
· Cert.	Nat'l	Boo		Bonnet	•	Disk
Holder's	Board	Ser	•	Serial		Serial
Serial No.	No.	. No		·· No.		No.
11256	None	KNG		None		KNH-001
11257	None	KNG		None		KNH-002
11258	None	KNG		None		KNH-003
11259	None	KNG		None		KNH-004
11260	None	KNG		None		KNH-005
11261	None	KNG		None		KNH-005
11262	None	KNG		None	_ <u> </u>	KNH-007
11263	None	KNG		None		KNH-008
11264	None	KNG		None		KNH-009
11265	None	KNG		None	— —	KNH-010
11266	None	KNG		None		KNH-011
11267	None	KNG		None		KNH-012
11268	None		-013	None		KNH-012
11269	None		-014	None		KNH-014
11270	None		-015	None		· KNH-015
11271	None	KNG		None		KNH-016
11272	None		-017	None		KNH-017
11273	None		1-018	None		KNH-018
11210	140116		-010	. 110116		10111-010
·	· · · · · · · · · · · · · · · · · · ·					
	·	· · · · · · · · · · · · · · · · · · ·				
			 .	**		
		 		- 1	 . 	
	:		_ 			

^{*} Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% × 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. 11273 1. Design conditions 2800 psi 250 eF or valve pressure class 1500 1. Design conditions 2800 psi temperature) 2. Cold working pressure 3500 psi at 100°F 2. Hydrostatic test 5400 psi. Disk differential test pressure NA 1. Remarks: Qty. 18, Enertech Job Number 29345V CERTIFICATION OF DESIGN Design Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 23241 CERTIFICATE OF COMPLIANCE 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-2826 N Certificate of Authorization No. N-2826 Date 155/2-3 Name Enered, A Div. of Carists-Wright Pow Control Cop. (N Certificate Holder) 1. The undersigned, holding a valid commission issued by the Nationel Board of Boiler and Pressure Vessel Inspectors and the State of Province of Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, described in this Data Report of Structed this pump, or valve, in accordance with the ASME Code, Section III, Division 1. By signing this certificate, 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 1.15-0-3 Signed Wash F. Pump commissions 24.15-0-0 Signed Wash F. Pump commissions 24.15-0-0 Signed Wash F. Pump commissions		RM I	NPV-1 (Back — Pg	. 2 of)	•	44050 H
Design conditions 2800 psi 250 °F or valve pressure class 1500 (pressure) (temperature) Design conditions 2800 psi 100°F Design Specification certified by psi Disk differential test pressure N/A psi N/A p		•		Carridian	La Maldada Cad	11256 thru 11273
(pressure) (temperature) 7 of Valve pressure dass (pressure) 3600 psl at 100°F 2. Hydrostatic test 5400 psl. Disk differential test pressure N/A 1. Remarks: Qfy. 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-2826 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-2826 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-2826 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-2826 Expires 10/11/05 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 Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, 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 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.				Certificat	s uoiset, 2 Sett	al IVO.
Certification certified by John R. Sponsel, II P.E. State MD Rag. no. 17308 Design Specification certified by Ira J. Silverman P.E. State CA Reg. no. 23241 Certificate of compliance Certificate of Authorization No. N-2826 Expire 10/11/05 Date / 5/03 Name Enetech A Dix of Certis-Wright Flow Control Com. (N Certificate of Authorization of the ADIX of Certis-Wright Flow Control Com. (N Certificate of Authorization of the Certificate Incident and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, described in this Data Report of Inspectors on this state or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Inspectors on this supply or property damage or a loss of any kind arising from or connected with this Inspection.	. Design conditions	p	81	°F or valve	pressure class	1500
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-2826 Expires 10/11/05 Date J 5/03 Name Eneroch A Div. of Curits-Wright Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Structed this pump, or valve, described in this Data Report of Structed 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 from personal injury or property damage or a loss of any kind arising from or connected with this Inspection.		••	(température)	_		
CERTIFICATION OF DESIGN 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 J. 5/03 Name Enerch, A Div. of Cardise-Wrigh Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION II, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of 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 flable in any manner from personal injury or property damage or a loss of any kind arising from or connected with this Inspection.	. Cold working pressure	3600	_ psi at 100°F	•		•
CERTIFICATION OF DESIGN CERTIFICATION OF DESIGN Design Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 Design Report certified by Ira J, Siliverman 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 1/5/03 Name Enerted, A Div. of Carlise-Wright Flow Convol Corp. (Authorized representative) CERTIFICATE OF INSPECTION And employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of Inspectors and Structed 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 flable in any manner from personal injury or property damage or a loss of any kind arising from or connected with this inspection.		00	1 3166		N/A	
CERTIFICATION OF DESIGN Tealign Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 P.E. State CA Reg. no. 23241 CERTIFICATE OF COMPLIANCE Ve 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-2826 Expires 10/11/05 Pote J.S. Name Eneried, A Div. of Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, described in this Data Report of Inspectors of the Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, described in this Data Report of Inspectors of the Connecticut have inspected the pump, or valve, described in this Data Report of Inspection. 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 from personal injury or property damage or a loss of any kind arising from or connected with this inspection.	. Hydrostatic test	psi, Dis	ik dirrerential test press	:ure		
resign Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 resign Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241 CERTIFICATE OF COMPLIANCE Ve 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-2826 Expires 10/11/05 Poate 1/5/03 Name Enertech, A Div. of Curitise-Wright Flow Control Corp. (N Certificate of Authorization No. No. Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Inspector in the State of Association of the ASME Code, Section III, Division 1. By signing this certificate, neither the inspector nor Nis 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.	Remarks: Qty. 18, Ener	tech Job Numbe	er 29345V			
esign Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 esign Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241 CERTIFICATE OF COMPLIANCE Signed Expires 10/11/05 Certificate of Authorization No. N-2826 Expires 10/11/05 Certificate of Authorization No. Signed Certificate Holder CONCRETIFICATE OF INSPECTION CERTIFICATE OF INSPECTION CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected the pump, or valve, described in this Data Report of Connecticut have inspected this pump, or valve, in accordance with the ASME Code, Section III, Division 1. Say 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.				·	<u> </u>	·
esign Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 esign Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241 CERTIFICATE OF COMPLIANCE Ve 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. I Certificate of Authorization No. N-2826 Expires 10/11/05 Date 1/5/03 Name Enertech, A Div. of Carliss-Wrigh Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of the United States of Asset of the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asset of the pump, or valve, described in this Data Report of Inspector of the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asset of the pump, or valve, described in this Data Report of Inspector of National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asset of the pump, or valve, described in this Data Report of Inspector or National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asset of the pump, or valve, described in this Data Report of Inspector or National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asset of the Province o						
resign Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 resign Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241 CERTIFICATE OF COMPLIANCE Ve 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-2826 Expires 10/11/05 Poate 1/5/03 Name Enertech, A Div. of Curitise-Wright Flow Control Corp. (N Certificate of Authorization No. No. Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Inspector in the State of Association of the ASME Code, Section III, Division 1. By signing this certificate, neither the inspector nor Nis 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.			·			
esign Specification certified by John R. Sponsel, II P.E. State MD Reg. no. 17308 esign Report certified by Ira J, Silverman P.E. State CA Reg. no. 23241 CERTIFICATE OF COMPLIANCE Ve 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. I Certificate of Authorization No. N-2826 Expires 10/11/05 Date 1/15/03 Name Enerech, A Div. of Certificate Holder? Signed Lauthorized representative) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Inspector in the state of the 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.						
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. N2826 Expires 10/11/05 Date 1/15/03 Name Enertech, A Div. of Curitist-Wright Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION It the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of National Province of Inspector in Asset in the Data Report of National Report of National Report of National Region (N Reg. no. 17308 By signing this certificate, neither the inspector nor Nis 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.	•			-		
P.E. State MD Reg. no. 17308 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 1/25/03 Name Enertech, A Div. of Curitise-Wright Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION CERTIFICATE OF INSPECTION CERTIFICATE OF INSPECTION The State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of Long. 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 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.			CERTIFICATION OF D	roton		
CERTIFICATE OF COMPLIANCE Ve 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-2826 Expires 10/11/05 Date 1/5/03 Name Enerted: A Div. of Curtise-Wright Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors an California and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of 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.			CENTIFICATION OF D	ESIGN		
CERTIFICATE OF COMPLIANCE Comparison Certificate Campulation Certificate Campulation Certificate Ce	Jesign Specification certified			. P.E. State		180. no
Ne 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-2826		140 1 0	ilverman	P.E. State	CA ·	~ 222 <i>4</i> 1
Ne 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-2826 Expires 10/11/05 Name Eneriech ADiv. of Curitse-Wright Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and California and employed by Connecticut have inspected the pump, or valve, described in this Data Report of Structed 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.		·····				
Ne 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-2826 Expires 10/11/05 Name Eneriech ADiv. of Curitse-Wright Flow Control Corp. (N Certificate Holder) CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and California and employed by Connecticut have inspected the pump, or valve, described in this Data Report of Structed 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.					`,	
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. Note 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. Note that the state of Authorization No			DESTIGNATE OF SOME	NIANCE		· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut have inspected the pump, or valve, described in this Data Report of structed 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.		•	CENTIFICATE OF COM	PLIANCE	•	•
CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and Enterory and	We certify that the statemen	ts made in this repo	ert are correct and that t	this pump or valv	/e conforms to:	the rules for construction
CERTIFICATE OF INSPECTION Connecticut have inspected the pump, or valve, described in this Data Report of Structed this pump, or valve, in accordance with the ASME Code, Section III, Division 1. 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.	of the ASME Code, Section I	ill, Division 1.	N 2026		. •	10/11/05
CERTIFICATE OF INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and he State or Province of California and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of Inspector and extracted 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.	Certificate of Authorization	n No.	14-2020		Expires	10/11/05
CERTIFICATE OF INSPECTION 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 The Connecticut have inspected the pump, or valve, described in this Data Report of Inspector 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.	1/5/03	- Enertech A Div of Cu	urtiss-Wright Flow Control Com-	Slaves at	V Luck	allate to
the State or Province of California and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of structed 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 7/3/00 Name	(N Cen	tificate Holder	Signad	lauthorized	representative)
the State or Province of California and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of structed 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.				······································		
the State or Province of California and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of structed 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.	•	•				•
the State or Province of California and employed by HSB CT Connecticut have inspected the pump, or valve, described in this Data Report of structed 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.					·	· · · · · · · · · · · · · · · · · · ·
the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report of 1.15.00, 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.			CERTIFICATE OF INSP	ECTION	•	•
the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report of 1:15.05, 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.	the undersioned holding	a valid camminator	n issued by the Nation	al Roard of Boi	ion and December	o Maraal Imagaatara a
Connecticut have inspected the pump, or valve, described in this Data Report of 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.	he State or Province of	Califo	rnia			HSB CT
1.15.05, 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.	. Gan	necticut				
Structed 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.	1.15.0	and state	•			
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.	structed this pump, or valve					
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.						
any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	By signing this certificate; r	either the inspecto	or nor his employer ma	kes any warrani	ly, expressed o	r Implied, concerning t
	component described in this	Data Report: Furth	nermore, neither the ins	spector nor his e	mployer shall b	e liable in any manner
11-02 1: B.T. Dieser De 1001-100-11	any personal injury or prope	rty damage or a los	s of any kind arising fro	om or connected	l with this inspe	ection.
- 1 10 1051- 1111 XI Y 1- 1-12100 11 11 11 11 11 11 11 11 11 11 11 11	115.03	1ii. G.E	Rus	00	52/0 W	3911951N

(1) For manually operated valves only.

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Clif	fs Nuclear Pow	ver Plant, li	nc. I	Date: 6/15/20	004		
		(name)						
1650 Calvert	Cliffs Parkway	; Lusby, MD	20657		Sheet 1 of 3.			
		(address)			· . •		. :	
2. Plant:	Calvert Cli	ffs Nuclear Pov	wer Plant		J _{nit:} One			
		(name)		•		_		•
1650 Calvert	Cliffs Parkway	; Lusby, MD	20657	R&R N	o. 2003-1-022			205233
		(address)		_ 7	رب) Type Code Symb		o no., etc.)	
3. Work Perform	ed by: Calver	Cliffs Nuclear	Power Pla	III Debi.	Authorization No.	•		
		(name)			Exp Date: N/A	<u> </u>		
1650 Calvert (Cliffs Parkway	, Lusby, MD 20	0657		Section XI Class:	T	wo	
		(address)		·.				
4. Identification of	of System: Syste	m Number 041	System N	ame: Chem	ilcal Volume	Contro	ol	
6 (-) A11 1.1 - (2	1 <i>0</i> 1 ACE	1E D24 7 4	000 E4161	C 4074 A	-d-d-	less 2	
5. (a) Applicable (Construction Code	and Class: ASN	NE B31.7 1	969 Edition,	Sum. 1971 <i>A</i>	ida; C	1855 Z	
(b) Applicable S	Sect XI Ed. for Re	pairs/Replacement			1998 Editi	on	•	
6 Identification of	of Components Re	paired or Replaced	and Replacem	ent Component	S:			4 CD CC
			ma repineen		~	٠	Repaired,	ASME Code
Name of	Name of	Manufacturers	National	· : 0	ther	Year	Replaced, or	Stamped
Componet	Manufacturer	Serial Number	Board No.	Identi	ification	Built	Replacemen (Yes or No
Piping System	Bechtel	2" CC-7-1001	N/A	#11 Charging P Piping	ump Discharge	1975	Repaired/Repi aced	No
Pipe	DuBose National Energy Services Inc.	400298 Ht#: 8324	H N/A	Pipe, 2 in., Sch. 376, Tp. 316	. 160, ASME SA-	2000	Replacement	No .
Insert Reducer	DuBose National Energy Services Inc.	54906-GX Heat Code: DVE	N/A		t, 2 in. X 3/4 in., tweld, ASME SA-	1992	Replacement	No .
Tee	DuBose National Energy Services Inc.	54906-GX Heat Code: BV	N/A	Tee, 2 in., 6000 ASME SA-182,	lb., Socket Weld, Gr. F316	1992	Replacement	No
Nut	Mackson Inc.	400066 Heat Code JKX	: N/A	Nut, Heavy Hea	t, 7/8 in. X 9 TPI, Gr. 2H	2000	Replacement	No .
Allthread Rod	Mackson Inc.	410155 Ht.#: S2075	51 N/A	Rod, Allthread, ASME SA-193	7/8 in. X 9 TPI, Gr. B7	2003	Replacement	No
Flange	DuBose National Energy Services Inc.	409374 Ht. Code: BHZ	N/A	Flange, 2 in., 15 Tongue, Socket 182, Gr. F316	00 lb., Large weld, ASME SA-	2003	Replacement	No
7. Description of V This plan was for of 1-CKVCVC-1 Isolation valve. 8. Tests Conducted	or the work, pipi 65 and 1HVCV	C-166, #11 Rea		t Charging P		e Che _	•	
o. 1ests Conducted	Pressure:	2400 psi.	-	rressure: insernperature: 11		רטח	CHUHAL.	

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.

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 6/15/2004 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 7-24-0-3 to 6-10-0-1, 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 TETE-FAX Commissions: NB 9831, MO1171, ANII NB 12779, MO 1153
Date: 6-16 Inspector's Signature National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

.)

				•					
1. Owner:	Calvert Clif	fs Nuclear Pow	er Plant, Ir	nc.	Date: _	6/15/200)4		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657		Sheet 1	of 2	-		
		(address)		, ;				•	
2. Plant:	Calvert Cli	ffs Nuclear Pov	ver Plant		Unit: _	One	-		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657	R&R	No. 20	3-1-022	, MV	/O No. 1200	205233
		(address)				· ·	-	no., etc.)	
3. Work Perform	ned by: Calvert	t Cliffs Nuclear	Power Pla	nt Dept.		ode Symbol	-		
		(name)				zation No.:	N/A		
1650 Calvert	Cliffs Parkway	, Lusby, MD 20	657			te: <u>N/A</u> XI Class:	т,	NO	
1000 04:1011		(address)			Section	AI Class.		NO .	
4. Identification	of System: Syste	m Number 041	System Na	ame: Ch	emical \	/olume C	ontro	ol_	
5. (a) Applicable (b) Applicable	Construction Code	Add	IE Draft Co ; Class 2	de for Pu	·			Edition, Mar	ch 1970
• • • • • • • • • • • • • • • • • • • •	Sect Al Eu. lut Re	раны керіасешені			19:	98 Editio	n 		<u>.</u> .
	· · · · · · · · · · · · · · · · · · ·	paired or Replaced a	and Replacem	ent Compon		96 Editio	n 		ASME
	· · · · · · · · · · · · · · · · · · ·	• •	nnd Replacem National Board No.					Repaired, Replaced, or Replacemen	
6. Identification Name of	of Components Rep	paired or Replaced a	National		Other entification	n	Year	Replaced, or	Code Stamped (Yes or No)
6. Identification Name of Componet	of Components Rep Name of Manufacturer Velan Engineering	paired or Replaced a Manufacturers Serial Number	National Board No.	Id #11 Chargin Isolation Va	Other entifications Pump Districtive	n scharge	Year Built	Replaced, or Replacemen (Code Stamped (Yes or No)
6. Identification Name of Componet Valve	of Components Rep Name of Manufacturer Velan Engineering Co. Framatome ANP Inc.	paired or Replaced a Manufacturers Serial Number 1-HVCVC-166	National Board No.	Id #11 Chargin Isolation Va Vaive, Gate	Other entifications Pump Districtive	n scharge	Year Built 1975	Replaced, or Replacemen Repaired/Repl aced	Code Stamped (Yes or No) Yes
6. Identification Name of Componet Valve Gate Valve 7. Description of	of Components Rep Name of Manufacturer Velan Engineering Co. Framatome ANP Inc. Work:	paired or Replaced a Manufacturers Serial Number 1-HVCVC-166	National Board No. N/A	#11 Chargin Isolation Va Valve, Gate SA-182 Gr.	Other entification of Pump Districtive control of Pump Dis	n charge lb.; ASME	Year Built 1975 2001	Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No) Yes
6. Identification Name of Componet Valve Gate Valve 7. Description of This plan was the	of Components Rep Name of Manufacturer Velan Engineering Co. Framatome ANP Inc. Work: for the replacem	Manufacturers Serial Number 1-HVCVC-166 400425 SN: 001028	National Board No. N/A	Id #11 Chargin Isolation Va Valve, Gate SA-182 Gr. Charging P	Other entification of Pump Districtive control of Pump Dis	n charge lb.; ASME charge Is	Year Built 1975 2001	Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No) Yes
6. Identification Name of Componet Valve Gate Valve 7. Description of	of Components Rep Name of Manufacturer Velan Engineering Co. Framatome ANP Inc. Work: for the replacem	Manufacturers Serial Number 1-HVCVC-166 400425 SN: 001028	National Board No. N/A -1 N/A -1-166, #11C	Id #11 Chargin Isolation Va Valve, Gate SA-182 Gr. Charging P	Other entification of Pump Displayers, 2 in. 1690 F316	n charge lb.; ASME charge Is	Year Built 1975 2001	Replaced, or Replacement Repaired/Replaced Replacement On Valve.	Code Stamped (Yes or No) Yes

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.

	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.
	Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
	Signed: Charles H. Ballard Engineering Technician Date: 6/15/2004
	Certificate of Inservice Inspection
٠	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 7-24-03 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. SHAP INA FOR MR. SOHN NORRIS Commissions: NB 9831, MD 1171, AVII NB 12779, NO 1155 National Board, State, and Endorsements

DATA PACKAGE NO. _001028_

Pg. 1 of _2

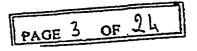
FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES * As Required by the Provisions of the ASME Code, Section III, Division 1

			,	•	
1. Manufactured an	d certified byVE	T.AN THE 2125	WARD AVE MONTH	FRAT. OTTER	CC CINIDI EAMITE
r. manaracearea em	a certained by		ss of N Certificate Holde		ec canon proper
1. Manufactured for	r FRAMATOME TECHNOLOG	•		•	A.USA 24501
	•	(Rame and addi	ress of purchaser)		
. Location of ins	tallion	м	/ <u>A</u>		
		(name and add:	ress)		
. Model No., Seri	es No., or Type: GATE	Drawing	P1-76800-N22	RevH	_ CRN _ N/A
. ASME Code, Sect:	ion III, Division 1:	1989	NONE	1	N/A ;
		(edition)	(addenda date)	(class)	(Code Case to.)
. Pump or valve	VALVE Nominal i	nlet size 2			• • • • • • • • • • • • • • • • • • • •
		(in.)		(in.)	
. Material: Body.	SA-182,F316 Bonnet	• •	Disk SA-351.		Bolting SA-194.81
					564,630H1100
(a)	(b)	(c)	(d)		(e)
Cert.	Nat'1	Body	Bonn		Disk
Holder's	Board	Serial	Seri	•	Serial
Serial No.	No.	No.	No		No.
				•	
001028-1	N/A	E/C:CAK	A/C: FZA		E/C: 75G
001028-2		CAR	yz,		75G
001028-3		CAK	FZA		750
001028-4		CAK	FZA		75G
001028-5		CAK	PZA		75G
001028-6		CAK	FZA		75G
EUREEFE		2562			****
				· · · · · · · · · · · · · · · · · · ·	<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.

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 LAW DRIVE< BOX 2300 Fairfield, NJ 07007-2300.

OP SUP



FORM NPV-1 (Back - Pg. 2 of)
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 (authorized representative)
(Fire Certained Finance)
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 OUEBEC and employed by REGIS DU BATIMENT of OUEBEC have inspected the pump, or valve, described in this Data Report on OUEBEC have inspected the pump, or valve, described in this Data Report on OUEBEC nand 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 warrenty, 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 / 0 / 2 signed Commissions OUZBEC J. MARCHAND QC # 87* (Authorized Inspector) (Nat'L Bd. (Incl. and an output limited Du Québec state or prov. and no.)
KTE :
(1) For manually operated valves only.

PAGE 4 OF 2-L

As Required by the Provisions of the ASMÉ Code Section XI

				-				
1. Owner:	Calvert Cli	iffs Nuclear Powe	er Plant, In	Date:	6/16/20	004		
		(name)						
1650 Calvert	Cliffs Parkway	y; Lusby, MD 2	0657	Sheet	of 2			£
		(address)		i				
2. Plant:	Calvert Cl	liffs Nuclear Pow	er Plant	Unit:	One			
		(name)						-
1650 Calvert	Cliffs Parkway	y; Lusby, MD 20	0657	R&R No. 20	03-1-052	a, MV	/O No. 1200	205235
		(address)			(P.	O. no., jol	no., etc.)	
2 Words Doofs	Calve	rt Cliffs Nuclear F	Power Plan	nt Dept. Type (Code Symb	ol Stamp	p: <u>N/A</u>	
3. Work Perform	ned by:	(name)		Author	rization No	: <u>N/A</u>		
				-	ate: <u>N/A</u>			
1650 Calvert	Cliffs Parkway	y, Lusby, MD 206	557 	Section	1 XI Class:	T\	NO	
		(address)					•	
4. Identification	of System: System	em Number 041	System Na	me: Chemical	Volume	Contro	<u>DI</u>	
- () 4 11 11		. ACSE	F D	de fen Dermene 9	Valera	4000 t		- L 4070
5. (a) Applicable	Construction Code		Class 2	de for Pumps &	vaives,	1908 1	coltion, war	cn 1970
	6 .377.D1.6 D	·	Old33 L	a.				
(b) Applicable	Sect XI Ed. for Ke	epairs/Replacement _			998 Editi	UII	·	
6. Identification	of Components Re	epaired or Replaced as	nd Replaceme	ent Components:		•		ASME
				•			Repaired,	Code
Name of	Name of	Manufacturers	National	Other		Year	Donland	
					-		Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Identificati	on	Built	Replaced, of Replacemen (
Valve			Board No.	Identificati #13 Charging Pump D Check Valve				
	Manufacturer Velan Engineering Co.	Serial Number		#13 Charging Pump D	ischarge 2 In., 1500 nections,	Built	Replacemen (Yes or No
Valve Check Valve	Manufacturer Velan Engineering Co. Enertech Inc.	Serial Number SN: 8370	N/A	#13 Charging Pump D Check Valve Valve, Nozzie Check, ib., Large Groove con Enertech, Tp. KRV (i	ischarge 2 In., 1500 nections,	Built 1975	Replacemen (Repaired/Replaced	Yes or No Yes
Valve Check Valve 7. Description of	Manufacturer Velan Engineering Co. Enertech Inc. Work:	Serial Number SN: 8370	N/A N/A	#13 Charging Pump D Check Valve Valve, Nozzle Check, Ib., Large Groove con Enertech, Tp. KRV (1 212M3N)	ischarge 2 In., 1500 nections, Aark#	Built 1975 2002	Replacemen (Repaired/Repl aced Replacement	Yes or No Yes
Valve Check Valve 7. Description of This plan was	Manufacturer Velan Engineering Co. Enertech Inc. Work: for the replacen	Serial Number SN: 8370 408934 SN: 11271	N/A N/A C-177, #130	#13 Charging Pump D Check Valve Valve, Nozzle Check, Ib., Large Groove con Enertech, Tp. KRV (1 212M3N)	ischarge 2 in., 1500 nections, Aark# Discharge	Built 1975 2002	Replacemen (Repaired/Replaced Replacement	Yes or No
Valve Check Valve 7. Description of This plan was	Manufacturer Velan Engineering Co. Enertech Inc. Work: for the replacen ed: Hydrostatic:	Serial Number SN: 8370 408934 SN: 11271 ment of 1-CKVCVC	N/A N/A C-177, #130 minal Operating	#13 Charging Pump D Check Valve Valve, Nozzle Check, Ib., Large Groove con Enertech, Tp. KRV (f 212M3N) Charging Pump I	ischarge 2 In., 1500 mections, Mark# Discharge	Built 1975 2002	Replacemen (Repaired/Repl aced Replacement	Yes or No Yes
Valve Check Valve 7. Description of	Manufacturer Velan Engineering Co. Enertech Inc. Work: for the replacen	Serial Number SN: 8370 408934 SN: 11271	N/A N/A C-177, #130 minal Operating	#13 Charging Pump D Check Valve Valve, Nozzle Check, Ib., Large Groove con Enertech, Tp. KRV (1 212M3N)	ischarge 2 in., 1500 nections, Aark# Discharge	Built 1975 2002	Replacemen (Repaired/Replaced Replacement	Yes or No Yes
Valve Check Valve 7. Description of This plan was 8. Tests Conducte	Manufacturer Velan Engineering Co. Enertech Inc. Work: for the replacented: Hydrostatic: Pressure:	Serial Number SN: 8370 408934 SN: 11271 ment of 1-CKVCVC	N/A N/A C-177, #130 minal Operating	#13 Charging Pump D Check Valve Valve, Nozzle Check, 1b., Large Groove con Enertech, Tp. KRV (1 212M3N) Charging Pump I Pressure: Inservice: [Inservice: 117]	ischarge 2 in., 1500 mections, Mark # Discharge Leakage: Deg. F	Built 1975 2002 Chec	Replacemen (Repaired/Replaced Replacement K Valve.	Yes or No

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.

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 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. **DNALD A.SHAPINA For MR.**							
SOHN NORALS PER TERE-FAY Commissions: NB 9831, MO 1171, ANII NB 12779, MD 1135							
Date: 6-17 Inspector's Signature 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

Pg. 1 of $\frac{2}{}$

1. Manufactured and ce	rtified by Enertech	h, A Div. of Curtis	s-Wright Fl	ow Control Corp., 29	50 Birch St	., Brea,	CA 92821
•			(name and ad	dress of N Certificate Hol	ider)		
2. Manufactured for	Calvert Cliffs	Nuclear Power	Plant, PO	Box 17323, Baltin	nore, MD 2	21297-1	323
	•	-		ess of Purchaser)			
3. Location of Installation	Calvert Cliffs	nuclear Power	Plant, 165	50 Calvert Cliffs Pa	irkway, Lu	sby, Mi	20657
				and address)			
4. Model No., Series No	or Type K	RV Draw	ing MD2	0990 Rev	_A	CRN	None
	., , ,						
5. ASME Code, Section	HL Division 1:	1995	19	961		N	one
	•	(edition)	(addend	date) (clas	is) ·	(Code (Case no.)
6. Pump or valve Nozz	e Check Valve N	ominal inlet size	2	Outlet size	2		
•			(In.)		(in.)	•	
7. Material: Body SA	479 Type 316	BonnetN/	<u>4</u> D	isk <u>SA-479 Type 31</u>	6 Bolting		V/A
(a)	·· (b)		(c)	(d)		(e	, .
· Cert.	Nat'l	•	Body	Bonnet	•	Dis	iĶ
Holder's	Board	;	Serial	· Serial		Ser	ia!
Serial No.	No.		No.	No.		No) .
11256	None	KN	G-001	None		KNH	-001
11257	None	- KN	G-002	None		KNH	
11258	None	KN	G-003	None		KNH	-003
11259	None	KN	IG-004 .	None		KNH	-004
11260	None	KN	IG-005	None		KNH	-005
11261	None	KN	IG-006	None		KNH	-006
11262	None	KN	G-007	None		KNH	-007
11263	None	- KN	IG-008	None		KNH	-008
11264	None	KN	IG-009	None		KNH	-009
11265	None	KN	G-010	None		KNH	-010
11266	None	KN	G-011	None		KNH	-011
11267	None	KN	G-012	None		KNH	
11268	None		IG-013	None		KNH	-013
11269	None		IG-014	None		KNH	
11270	<u> </u>		IG-015	None		· KNH	
11271	None		IG-016	None	<u> </u>		-016
11272	None		IG-017	None	<u> </u>	KNH	
11273	None	K	IG-018	None		KNH	-018
				_			
				_		·····	
					·.		
	••••			<u> </u>		• •• ••	
	. —————						
	•						

^{*}Supplemental information in form of lists, electhes, or drawings may be used provided (1) size is 8% 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.

.M NPV-1 (Back - Pg. 2 of 2) 11256 thru 11273 Certificate Holder's Serial No. 2800 1500 8. Design conditions For valve pressure class (pressure) 3600 psi at 100°F 9. Cold working pressure. 5400 10. Hydrostatic test _ _ psi. Disk differential test pressure 11. Remarks: Oty. 18, Enertech Job Number 29345V **CERTIFICATION OF DESIGN** John R. Sponsel, II 17308 Design Specification certified by . P.E. State Reg. no. Ira J, Silverman 23241 Design Report certified by .. P.E. State Reg. no. 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-2826 N Certificate of Authorization No. Enertech, A Div. of Curtiss-Wright Flow Control Corp (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 the State or Province of _______Connecticut __ and employed by _ ___ have inspected the pump, or valve, described in this Data Report on ., 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

[Net'l. Bd. (incl. endorsements) and state or prov. and no.]

any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

(Authorized Inspector)

(1) For manually operated valves only.

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Clif	ffs Nuclear Power	er Plant, I	nc. Date: 6/16/2	004		,
1650 Calvert	Cliffs Parkway	(name) 7; Lusby, MD 2 (address)	0657	Sheet 1 of 4		• • •	
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant	Unit: One			
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R No. 2003-1-05	2b, MV	VO No. 120	0205235
3. Work Perform		(address) Cliffs Nuclear F (name) Lusby, MD 206		True Cada Canal	ol Sta m .: <u>N/A</u>		
4. Identification		(address) m Number <u>041</u>	System N		Contro	ol	
(b) Applicable S	Sect XI Ed. for Rep	pairs/Replacement		1998 Editi	on		
6. Identification of	of Components Rep	 paired or Replaced ar	ıd Replacem	ent Components:		Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built		Stamped
Piping System	Bechtel	2" CC-7-1003	N/A	#13 Charging Pump Discharge Piping	1975	Repaired/Repl aced	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 ib., Sacketweld, ASME SA-182, Gr. F316.	2003	Replacement	No
Tec	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 \$A-194 Gr. 2H	2002	Replacement	No
Allthread Rod	Mackson Inc.	410155 Ht.#: \$20751	N/A	Rod, Alithread, 7/8 in. X 9 TPI, ASME SA-193 Gr. B7	2 003	Replacement	No
Flange	DuBose National Energy Services Inc.	409374 Ht. Code: BHI	N/A	Flange, 2 in., 1500 ib., 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 Pressu	re: Inservi	ce: Leaka	ge: 🚺 Fund	:tiousn:
	. •	Pressure:	2352 psi.	Test Tempera	ture: <u>117</u>	Deg. F		
in	OTE: Supplemental formation in Items 1 corded at the top of	through 6 on t	of lists, sketches his report is inclu	, or drawings may be u ded on each sheet, and	sed, provide I (3) each sh	ed (1) size is leet is numbe	8-1/2 in. x ered and the	11 in., (2) number of sheets is
9.	Remarks:	•						
		em Leakage	Test of the aff	ected component	was perfo	rmed durir	ng the sys	stem
	nditions listed in s			Code Case N-416				
_	uired pressure to se N-416-2 and I			Examinations were	e pertorme	ed (as app	licable) to	satisfy Code
<u> 2a</u>	30 11-4 10-2 4114 1	rcg.Odido 1	. 1 7 1					
			Applicable Mar	ufacturer's Data Rep	orts to be	Attached		•
Γ			Car	tificate of Compli	ionce			
			ents made in this	report are correct and	that this	Re	pair/Replace	ement
	confor	ms to the rules	of the ASME Co	de, Section XI.				
	Type Code Syn Certificate of A		N/A D.: N/A Expira	ation Date: <u>N/A</u>				
	Signed:	M	Wher or Owner's Des	- N//	Charles H. Engineering		Date:	6/16/2004
			Certific	ate of Inservice In	spection			
	and the State of Main this Owner's Rep knowledge and be Report in accordan By signing this the examinations as	aryland and emport during the plief, the Owner nee with the requestionate meitle and corrective mailable in any mail	ployed by ABS Coperiod 9-22 has performed exuirements of the tier the Inspector easures described	issued by the National Consulting of Houston, A-03 to 6-16 taminations and taken and taken and taken to the Code, Section nor his employer maked in this Owner's Report on all injury or property	Tx. have ins out corrective m XI. s any warran t. Furtherm	spected the contract and state to leasures descent, expressed ore, neither	omponents the best of ribed in thi or implied the Inspecto	described f my s Owner's , concerning or nor his
	DOWALD A.S	HAPINA FOR	2 MR.			•		
	JOHN NOR	215 PER T	ZEFAX	Commissions: NB	9831,14	AITTIA	NII	
		4.5		NB	•	•		
	Date: 6-17	Inspector's Signat	ure		National E	loard, State, and	n Endorsemen	ts .

As Required by the Provisions of the ASME Code Section XI

	· · · · · · · · · · · · · · · · · · ·							
1. Owner:	Calvert Clif	fs Nuclear Pow	er Plant, Ir	nc.	Date:6/17/2	004		
1650 Calver	t Cliffs Parkway	; Lusby, MD	20657		Sheet 1 of 2			•
		(address)						-
2. Plant:	Calvert Cli	ffs Nuclear Pov	ver Plant		Unit: One			
1650 Calver	t Cliffs Parkway	` ,	20657	R&R I	No. 2003-1 - 052	2c. MV	VO No. 1200	205235
		(address)			<u> </u>		b no., etc.)	
	Calveri	Cliffs Nuclear	Power Plan	nt Dent	Type Code Symb	ol Stam	p: <u>N/A</u>	
3. Work Perfor	med by:	(name)	1011011111	ne bope.	Authorization No	.: <u>N/A</u>	•	
1650 Calver	t Cliffs Parkway	` ,	657		Exp Date: N/A Section XI Class:	T	wo	
·		(address)						
4. Identification	n of System: Syste	m Number <u>041</u>	System Na	ame: Chei	mical Volume	Contro	ol	
5. (a) Applicable	e Construction Code		IE Draft Co	de for Pun	nps & Valves,	1968 I	Edition, Mai	rch 1970
(b) Applicable	e Sect XI Ed. for Rep		, 01033 2	٠٠.	1998 Editi	on		
6. Identification	n of Components Rep	paired or Replaced	and Replacem	ent Componer	nts:		Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.		Other ntification		Replaced, or Replacemen	Stamped
Valve	Velan Engineering Co.	1-HVCVC-178	N/A	#13 Charging Isolation Valv	Pump Discharge	1975	Repaired/Repi aced	No
Gate Valve	Vendor: BWNS Nuclear Mfgr: Velan Engrg. Co.	70390LNP SN: 941005-1	N/A	Valve, Gate, SA-182 Gr. F	2 in. 1690 lb.; ASME 316	1994	Replacement	Yes
7. Description of	f Work:							
This plan was	for the replacem	ent of 1-HVCVC	-178, #13C	harging Pu	mp Discharge	Isolatio	on Valve.	
					. 🗖			
3. Tests Conduct	ted: Hydrostatic:					-Fur	nctional: 🗔	
	Pressure:	<u>2352</u> psi.	Test Ter	nperature:	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.

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 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 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 NORILIS PEN TIZE FAX Commissions: NB 9831, MO 1171 ANII NB 12779, MO 1155 National Board, State, and Endorsements Date: 6-17 200 4

FORM NPV-1 CERTIFICA "HOLDERS' DATA REPORT FOR NUCLL, PUMPS OR VALVES"

As Required b, & Provisions of the ASME Code, Section Division 1

. Manufactured for	B 410 100	LIERR SERVI	of N Certificate Holder)	÷.
. Manusciored joi	.1	(name and address o	f Purchaser)	
. Location of installation		<u> </u>		
	,	(name and	-	. 1
. Madel No., Series No.	, or TypeCANE	Drawing 8176800.	DAO Rev. T	_ CRN_UE
. ASME Code, Section	III Division 1: 196	ed DODE	1	4/4
	(edi	tion) (addenda date) (ciasa)	(Coda Case no.)
. Pump or valve	Nominal i		_ Outlet size	
		(in.)	(In.	
. Material: Body	183,FSNA Bonnet	182,182 Disk	ST SOLLCTON Boltin	10 <u>54-564,650</u> 4
4-1	46.3		let.	SA. HILL, BH
(a) Cert.	(b) Nat'l	(c) Body	(d) Bonnet	(e) Disk
Holder's	Board	Serial	Serial & houlz	Serial
Serial No.	No.	No.	No. A.M	No.
141005-1	Als	HIC: RAS	HIC: AXX	4/6:012
B- "	11	HC: B.CH	HC: A-KV	, u
3		NC.BAS	HC. A-KV	<u> </u>
<u> </u>		<u> </u>	WC: A-KV	<u>u</u>
		HIC. 25-64	NC.H-AV	
			<u> </u>	
				
	· · · · · · · · · · · · · · · · · · ·			TO TO
· · · · · · · · · · · · · · · · · · ·	<u> </u>			
	·			
 .				
		9.11	•.	
	• •	-		
		1.0		
				<u>// // // // // // // // // // // // // </u>
		-		<i>\</i>
· · · · · · · · · · · · · · · · · · ·			 •	v
			***************************************	· · · · · · · · · · · · · · · · · · ·
upplemental information in n this Data Report is include	form of lists, sketches, or dr ed on each sheet, (3) each sh	awings may be used provided (I) size is 8% × 11, (2) inform of sheats is recorded at the to	stion in items 1 through 4 % p of this form.
				9

PAGE_7

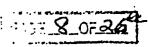
. ORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. 941505
8. Design conditions 4055 psi 100 °F or valve pressure class 1690 (pressure)
9. Cold working pressure 4955 psi at 100°F
10. Hydrostatic test <u>6356</u> psi. Disk differential test pressure <u>4656</u> psi
11. Remarks: MATERIALS HEET ASHE SECTION IT EDITION: 1989 ADDENDA: NOVE
CERTIFICATION OF DESIGN
Design Specification certified by <u>S.M. FARRELL</u> P.E. State <u>QUE</u> Reg. no. <u>38039</u> Design Report certified by <u>S. TSBITSKY</u> P.E. State <u>QUE</u> Reg. no. <u>AQUIS</u>
CERTIFICATE OF COMPLIANCE We cartify 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.
Date March 4/99 Name VELAU IDC Signed Colorina (authorized représentative)
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Prassure Vassel inspectors and the State or Province of
structed 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 943/9 Signed Sun Musclette Commissions Co (Nat'l. Bd. (Ingl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.







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

1. Owner:	Calvert Cliff	s Nuclear Pov	wer Plant, Ir	ic.	Date: _	6/15/20	04	•	. •
		(name)							-
1650 Calvert C			20657	** 1	Sheet 1	of 2			
•		(address)	-				-		
2. Plant:		fs Nuclear Po	wer Plant		Unit: _	One	-		
1650 Calvert C	liffs Parkway;	Lusby, MD	20657	R&R	No. 20	03-1 - 077	, MWC	No. 1200	205240
	(address)				(P.C). no., job	no., etc.)	
2 777 1 72 6	Calvert	Cliffs Nuclear	Power Plan	nt Dept.	Type C	ode Symbo	1 Stamp	o: <u>N/A</u>	
3. Work Performe	u oy	name)	101101110	псооры	Author	ization No.	: <u>N/A</u>		
	·	·		ŝ	Exp Da	te: <u>N/A</u>			
1650 Calvert C	liffs Parkway,	Lusby, MD 2	0657		Section	XI Class:	0	ne	
	(address)							
4. Identification of	System: System	n Number 064	_ System Na	ime: Rea	ctor C	oolant Sy	<u>/stem</u>		
					_			•	
5. (a) Applicable C	onstruction Code a	and Class: ASI	ME B31.7 1	969 Editio	n, Sun	1. 1971 A	dd; C	lass 1	
(b) Applicable Se	ect XI Ed. for Rep	airs/Replacement		ν.	19	98 Editio	ก		
6. Identification of	Components Rep	aired or Replaced	and Replacem	ent Compone	ents:	. :			ASME
	· ·	•	•		•			Repaired,	Code
Name of	Name of	Manufacturers	National		Other		Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Ide	ntificatio	n	Built	Replacemen	(Yes or No
Pipe Support	Bechtel	2 1/2"CC-10-1003	-H3 N/A	#11 Pressuriz ERV-402	zer Pipe Sı	pport to 1-	1975	Repaired/Rep aced	l No
Spring Can	Anvil International Inc. Grinnell Supports	411825 PN: 80VB014-NB	N/A	Support, Co 80-V, Size 14 Stop, Load =	i, Type B,		2004	Replacement	No
7. Description of W	ork:								
This plan was for Electric Relief Va	the replaceme	•		pe line 2 1/	/2"CC-1	0-1003,	Pressi	urizer Pipin	g to
3. Tests Conducted:	Hydrostatic:	Pneumatic N	lominal Operating	Pressure: In	ıservice: 🗆	Leakage:	Fun	ctional:	
	Pressure:	N/A psi.	, -		N/A	Deg. F			
NOTE: Supplement nformation in Items									heets is

recorded at the top of this form.

9. Remarks:

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

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.							
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A							
Signed: Charles H. Ballard 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 3-17-04 to 6-3-04, 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. DOWALD A. SHAPINA FM MR.							
JOHN NOVER S PER TELE-FAX Commissions: NB 9831, MO 1171, AVII NB 12779, MO 1155							
Date: 6-16 200 4 National Board, State, and Endorsements							

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

1. Owner:	Calvert Clif	fs Nuclear Powe	er Plant, lı	nc.	Date: 6/14/2	2004		
1. 0 // 1.		(name)					•	
1650 Calvert	Cliffs Parkway	; Lusby, MD 20	0657	· - · · · · · · · · · · · · · · · · · ·	Sheet 1 of 2		•	
	-	(address)						
2. Plant:	Calvert Cli	ffs Nuclear Powe	er Plant	•	Unit: One			
1650 Calvert	Cliffs Parkway	(name) ; Lusby, MD 20	0657	R&R	No. 2003-1-07	8. MW	O No. 12002	205247
		(address)		_			b no., etc.)	
		•	lawar Dia	m4 Dam4	Type Code Symi		•	
3. Work Perform	ned by.	Cliffs Nuclear P	ower Pla	nt Dept.	Authorization N			
		(name)	•		Exp Date: N/A		•	
1650 Calvert	Cliffs Parkway,	, Lusby, MD 206	57		Section XI Class		ne	
· · · · · ·		(address)						
4. Identification	of System: System	m Number 064	System Na	ame: Rea	actor Coolant	System		······
•					_			
5. (a) Applicable	Construction Code	and Class: ASME	B31.7 1	969 Editio	on, Sum. 1971	Add; C	lass 1	
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement			1998 Edit	ion	r	****
6 Identification	of Commonents Per	paired or Replaced and	d Replaceme	ent Compon	ents:			·
O. IUCHUMCAHOM		ance of replaced an	a rechracem	our combon	ciita.			
	or Components Rep			•			Dangirad	ASME
Name of	-	Manufacturers	National	•	Other	Year	Repaired, Replaced or	Code
	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Ide	Other entification	Year Built	Replaced, or	Code Stamped
Name of	Name of		Board No.	·		Built	Replaced, or	Code Stamped (Yes or No
Name of Componet	Name of Manufacturer	Serial Number	Board No.	#11 Pressuri ERV-404 Support, Co 81-H, Size 1	entification	Built	Replaced, or Replacemen Repaired/Repl	Code Stamped (Yes or No
Name of Componet Pipe Support Spring Can	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports	Serial Number 2 1/2"CC-10-1004-H3 411825 PN:	Board No.	#11 Pressuri ERV-404 Support, Co 81-H, Size 1	entification zer Pipe Support to 1- anstant, Anvil Figure 5, Type C, with	Built 1975	Replaced, or Replacemen Repaired/Repl aced	Code Stamped (Yes or No
Name of Componet Pipe Support Spring Can 7. Description of V	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports Work:	Serial Number 2 1/2"CC-10-1004-H3 411825 PN: 81HC015-NB	Board No. N/A N/A	#11 Pressuri ERV-404 Support, Co 81-H, Size 1 Travel Stop	entification zer Pipe Support to 1- instant, Anvil Figure 5, Type C, with , Load = 725 lbs.	Built 1975 2004	Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No No
Name of Componet Pipe Support Spring Can 7. Description of V This plan was for	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports Work: or the replacement	Serial Number 2 1/2"CC-10-1004-H3 411825 PN: 81HC015-NB	Board No. N/A N/A Can on pig	#11 Pressuri ERV-404 Support, Co 81-H, Size 1 Travel Stop	entification zer Pipe Support to 1- instant, Anvil Figure 5, Type C, with , Load = 725 lbs.	Built 1975 2004	Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No No
Name of Componet Pipe Support Spring Can 7. Description of V This plan was for	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports Work: or the replacement	Serial Number 2 1/2"CC-10-1004-H3 411825 PN: 81HC015-NB	Board No. N/A N/A Can on pig	#11 Pressuri ERV-404 Support, Co 81-H, Size 1 Travel Stop	entification zer Pipe Support to 1- instant, Anvil Figure 5, Type C, with , Load = 725 lbs.	Built 1975 2004	Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No No
Name of Componet Pipe Support Spring Can 7. Description of Variation of Variation Can This plan was for Electric Relief Variation Can	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports Work: or the replacemental replacementa	Serial Number 2 1/2"CC-10-1004-H3 411825 PN: 81HC015-NB	Board No. N/A N/A Can on pig	#11 Pressuri ERV-404 Support, Co 81-H, Size 1 Travel Stop	entification zer Pipe Support to 1- instant, Anvil Figure 5, Type C, with , Load = 725 lbs.	Built 1975 2004	Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No No
Name of Componet Pipe Support Spring Can 7. Description of V This plan was for	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports Work: or the replacemental replacementa	Serial Number 2 1/2"CC-10-1004-H3 411825 PN: 81HC015-NB ent of the Spring (4, support number	Board No. N/A N/A Can on pig r H3. inal Operating	#11 Pressuri ERV-404 Support, Co 81-H, Size 1 Travel Stop	entification zer Pipe Support to 1- instant, Anvil Figure 5, Type C, with , Load = 725 lbs. /2"CC-10-1004	Built 1975 2004	Replaced, or Replacement Repaired/Replaced Replacement urizer Piping	Code Stamped (Yes or No No
Name of Componet Pipe Support Spring Can 7. Description of V This plan was fe Electric Relief V 8. Tests Conducted	Name of Manufacturer Bechtel Anvil International Inc. Grinnell Supports Work: or the replaceme /alve 1-ERV-404 d: Hydrostatic: Pressure:	Serial Number 2 1/2"CC-10-1004-H3 411825 PN: 81HC015-NB ent of the Spring (1, support number	Board No. N/A N/A Can on pir r H3. inal Operating Test Terr	#11 Pressuri ERV-404 Support, Co 81-H, Size 1 Travel Stop De line 2 1	entification zer Pipe Support to 1- instant, Anvil Figure 5, Type C, with , Load = 725 lbs. /2"CC-10-1004 inservice: Leakage N/A Deg. F	Built 1975 2004 Pressi	Replaced, or Replacement Repaired/Replaced Replacement urizer Piping	Code Stamped (Yes or No No

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

9. Remarks:

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

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.							
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A							
Signed: Charles H. Ballard Engineering Technician Date: 6/14/2004 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 3-/7-04 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. Fore MR. JOHN NORFLIS PER TELE-FM Commissions: NB 9831, MD 1/71, AN// NB 12779, MD 1/55 National Board, State, and Endorsements Date: 6-14-2004							

As Required by the Provisions of the ASME Code Section XI

1. Owner: _	Calvert Ci	iffs Nuclear Pow	er Plant, I	nc. Date	: 6/16/2	004		
1650 Calver	t Cliffs Parkwa	(name) (y; Lusby, MD 2	20657	Shee	et 1 of 2			
	Only and O	(address)	Dlam4		_			
2. Plant:	Caivert C	liffs Nuclear Pow	er Plant	Unit	: One	-		
4050 Oalvert	Cliffo Dowlesso	•	0057	D2D No.	2002 4-023	o RAV	VO No. 120	りつりたつつつ
1650 Calver	Clims Parkwa	y; Lusby, MD 2	0657	- Kar No.			b no., etc.)	
	Calma	,	Dawan Dia	Type	: Code Symb	-	-	
3. Work Perform	med by: Carve	rt Cliffs Nuclear (Power Pla	III Dept.	orization No			
•		(name)		Exp	Date: <u>N/A</u>			
1650 Calvert	Cliffs Parkwa	y, Lusby, MD 20	657	Sect	on XI Class:	0	ne	
		(address)		5				
4. Identification	of System: Syst	em Number 064	System N	ame: Reactor	Coolant S	ystem	<u> </u>	
5. (a) Applicable	Construction Cod		E Draft Co	ode for Pumps	& Valves,	1968	Edition, Ma	rch 1970
(b) Applicable	Sect XI Ed. for Re	Auu, epairs/Replacement	Ciass I		1998 Editi	on		
:		· · · · · · · · · · · · · · · · · · ·						
6. Identification	of Components Re	epaired or Replaced a	nd Replacem	ent Components:			Danish d	ASME
6. Identification Name of Componet	of Components Re	epaired or Replaced a Manufacturers Serial Number	nd Replacem National Board No.	ent Components: Other Identifica		Year Built	Repaired, Replaced, or Replacemen	Code Stamped
Name of	Name of	Manufacturers	National	Other	tion		Replaced, or	Code Stamped (Yes or No)
Name of Componet	Name of Manufacturer Velan Enginnering	Manufacturers Serial Number	National Board No.	Other Identifica Pressurizer Isolation	Block Valve 1., 1703 lb., I, Flowserve	Built	Replaced, or Replacemen	Code Stamped (Yes or No)
Name of Componet Valve Gate Valve	Name of Manufacturer Velan Enginnering Co. Flowserve Corporation	Manufacturers Serial Number SN: 155 405820 SN: E506T-	National Board No.	Other Identifica Pressurizer Isolation for 1-ERV-402 Valve, Gate, 2 1/2 in Sch. 160 Buttwelder P/N W01-25821, AS	Block Valve 1., 1703 lb., I, Flowserve	Built 1975	Replaced, or Replacemen Repaired/Replaced	Code Stamped (Yes or No) Yes
Name of Componet Valve Gate Valve 7. Description of	Name of Manufacturer Velan Enginnering Co. Flowserve Corporation Work:	Manufacturers Serial Number SN: 155 405820 SN: E506T-	National Board No. N/A N/A	Other Identifica Pressurizer Isolation for 1-ERV-402 Valve, Gate, 2 1/2 ls Sch. 160 Buttwelder P/N W01-25821, AS Gr. CF8M	Block Valve 1, 1703 lb., 1, Flowserve ME SA-351	Built 1975 2002	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) Yes Yes
Name of Componet Valve Gate Valve 7. Description of This plan was	Name of Manufacturer Velan Enginnering Co. Flowserve Corporation Work: for the replacen	Manufacturers Serial Number SN: 155 405820 SN: E506T- 1-1	National Board No. N/A N/A 3, #11 Pre	Other Identifica Pressurizer Isolation for 1-ERV-402 Valve, Gate, 2 1/2 in Sch. 160 Buttwelder P/N W01-25821, AS Gr. CF8M SSURIZER ISOLATIO	tion Block Valve 1, 1703 lb., I, Flowserve ME SA-351 P Block Va	Built 1975 2002	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) Yes Yes
Name of Componet Valve Gate Valve 7. Description of	Name of Manufacturer Velan Enginnering Co. Flowserve Corporation Work: for the replacented: Hydrostatic:	Manufacturers Serial Number SN: 155 405820 SN: E506T- 1-1 nent of 1-MOV-40	National Board No. N/A N/A 3, #11 Pre	Other Identifica Pressurizer Isolation for 1-ERV-402 Valve, Gate, 2 1/2 in Sch. 160 Buttwelder P/N W01-25821, AS Gr. CF8M SSURIZER ISOlatio Pressure: Inservice.	tion Block Valve 1., 1703 lb., 1, Flowserve ME SA-351 Delta Block Value Leakage:	Built 1975 2002	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) Yes
Name of Componet Valve Gate Valve 7. Description of This plan was	Name of Manufacturer Velan Enginnering Co. Flowserve Corporation Work: for the replacen	Manufacturers Serial Number SN: 155 405820 SN: E506T- 1-1	National Board No. N/A N/A 3, #11 Pre	Other Identifica Pressurizer Isolation for 1-ERV-402 Valve, Gate, 2 1/2 in Sch. 160 Buttwelder P/N W01-25821, AS Gr. CF8M SSURIZER ISOLATIO	tion Block Valve 1, 1703 lb., I, Flowserve ME SA-351 P Block Va	Built 1975 2002	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) Yes

recorded at the top of this form.

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
We certify that the statements made in this report are conforms to the rules of the ASME Code, Section 2	
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date:	N/A
Signed: Manager of Owner's Designee, Title	Charles H. Ballard Engineering Technician Date: 6/16/2004
Certificate of Inse	ervice Inspection
I, the undersigned, holding a valid commission issued by the and the State of Maryland and employed by ABS Consulting of in this Owner's Report during the period 12 20 to knowledge and belief, the Owner has performed examinations Report in accordance with the requirements of the ASME Code By signing this certificate neither the Inspector nor his employer shall be liable in any manner for any personal injury connected with this inspection.	Houston, Tx. have inspected the components described 5-20-04, and state to the best of my and taken corrective measures described in this Owner's e, Section XI. loyer makes any warrant, expressed or implied, concerning ner's Report. Furthermore, neither the Inspector nor his
DOWALD A. SHAPINA FOR MR.	
JUIN NORMUS PER TELE-FAX Commission	ons: NB9831, MO1171, ANII NB12779, MO1153
Date: 6-17 Inspector's Signature 200_4	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

Pg. 1 of _2

1. Manufactured an	d certified by Flo	wserve Co	orporation, 7	01 First Stre	et, Willi	amsport,	PA 1770	1	
2. Manufactured for	•		{r	name and addre	iss of N Ce	rtificate Hol	der)		
			[nar	ne and addrass	of Purcha	sar)			
3. Location of install	istion CCNPP, 1	650 Calv	ert Cliffs Par	kway, Lusb	y, MD 2	20657			
				. (name an	d address)	•			
4. Model No., Series	Na., or Type	D.D. Gate	Drawing	W01258	321 .	Rev	<u> </u>	CRN	N/A
5. ASME Code, Sec	tion III. Division 1:	19	95	1996		<u> </u>			I/A
,	-	(edi	tion)	(addenda da	te)	(class		(Code (Case no.)
6. Pump or valve	Valve	Nominal i	niet size	2 1/2"	Out	et size	· 2 1/2"		
7. Material: Body _	SA351-CF8M	Bonnet _	SA351-CF	(in.) 8M Disk	SA	479-316	(in.) Boiting	Studs:	SA453-660B
., ., ., ., ., ., ., ., ., ., ., ., ., .	•	20,111.01, 2						Nuts:	SA194-8M
(a)	, (b)		(c)	•		· (d)	•	(e)	
Cert.	Nat'l		Bod	γ .	(Sonnet		Dis	k ··
Holder's	Board		Seria	a!	•	Serial		Seri	al
Serial No.	No.	•	Na.			No.		· No.	
E506T-1-1	N/A		RIS	5		R21		6 an	d 19
E506T-1-2	N/A	•	R16			R19		5 and	118
E506T-1-3	. N/A		R17			R20		7 апо	
E506T-1-4	N/A		R18	3'		R22		8 an	d 21
· · · · · · · · · · · · · · · · · · ·	·								
				<u> </u>	·				
									
	· •	 .							
									
				·					 .
					<u> </u>				 ,
				 -					
	· 	 -							
									
		 ,-	 						
							- :		
· · · · · · · · · · · · · · · · · · ·		·							
7.27.27			•						
· v.7)						•		٠.	
									
									•
									 .
	*								

^{*}Supplemental information in form of lists, skatches, or drawings may be used provided (1) size is 8 % × 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,

FORM NPV-1 (Back - Pg. 2 of _____)

•	•	•	. Certifica	ste Holder's Serial No	E506T-1-1 thru -1
8. Design conditions	2485	psi(temperature		e pressure class	1703 (1)
9. Cold working pressura	4087	psi at 100°F'			
10. Hydrostatic test61.	50 psi.	Disk differential test pr	988Ur ė	4500	psi
11. Remarks: Material: Bon	met Studs: (30	0) Trace Code E621		·	-
	(2) met Nuts: (2)	Trace Code E719	····		
	met Nuts: (23			+	
		/ 11.00 0000 11200			-
	•		••		
		CERTIFICATION OF	DESIGN		
	John R. Sp	onsel		MD San an	17308
Design Specification certified to Design Report certified by	UY	d S. Farrell	P.E. State P.E. State	nag. no.	PE-035216-B
Design report cardined by 2				ited: (io.	
	•			•	
	·	CERTIFICATE OF COM	PLIANCE .		
We certify that the statements of the ASME Code, Section III, N Certificate of Authorization N	Division 1.	oort are correct and that	this pump or valve	•	for construction
Date 8 30 0 2 Name _		rve Corporation	_ Signed _	Sauthorized respond	filval
					•
•			•		
		CERTIFICATE OF INSP	ECTION	•	
i, the undersigned, holding a v the State SEPERATION of Boston, I	Pennsy	lvania ar	d employed by	and Pressure Vessel One Beacon America	a Insurance
			ו זט קקווטק פיוו טס.		
1-15/2 8-30-03 structed this pump, or valve, in	2_, and state	that to the best of my	knowledge and b		
1-15/2 8-30-03	accordance with accordance with the inspector ta Report. Furth	that to the best of my th the ASME Code, Sect or nor his employer mak termore, neither the insp	knowledge and bloom III, Division 1. as any warranty, ector nor his emp	eilef, the Certificate I expressed or Implied, loyer shall be liable in a	concerning the
structed this pump, or valve, in By signing this certificate, neith component described in this Date	accordance with accordance with the inspector ta Report. Furth	that to the best of my th the ASME Code, Sect or nor his employer mak termore, neither the insp	knowledge and to the lift point of the lift poin	eilef, the Certificate I expressed or Implied, loyer shall be liable in a	concerning the

(1) For manually operated valves only.

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Cli	ffs Nuc	lear Pow	er Plant, i	nc.	Date: 6/16/20	004		
1650 Calvert (Cliffs Parkwa	• •	y, MD 2	0657	•	Sheet 1 of 2			
2. Plant:	Calvert Cl	· ·	lear Pow	er Plant		Unit: One	_		
1650 Calvert C	liffs Parkway	/; Lusb	y, MD 2	0657	R&R	No. 2003-1-023	b, MV	VO No. 120	0205332
		(address)				(P.C	D. no., jol	b no., etc.)	
3. Work Performe	ed by: Calver	t Cliffs (name)	Nuclear F	Power Pla	nt Dept.	Type Code Symbol Authorization No.	•		
1650 Calvert C	liffs Parkwa	. Lusb	v. MD 206	557	•	Exp Date: N/A Section XI Class:	0	ne	
		(address)	,,			occion 711 Olass.		110	
4. Identification o	f System: Syste	m Numbe	т 064	System N	ame: Rea	ctor Coolant S	ystem	l	
				-					
5. (a) Applicable C	Construction Code	and Clas	s: ASMI	E B31.7 1	969 Editio	n, Sum. 1971 A	dd; C	lass 1	· · · · · · · · · · · · · · · · · · ·
(b) Applicable S	ect XI Ed. for Re	pairs/Rep	lacement			1998 Editio	on	· .	
		_	_	10 1	·				
6. Identification of	Components Re	paired or	Kepiaced at	id Kepiacem	ent Compone	ents:		D	ASME
Name of	Name of	Manuf	acturers	National	*	Other	Year	Repaired, Replaced, or	Code Stamped
•	Manufacturer		Number	Board No.	Ide	entification	Built		
Piping System	Bechtel		N/A	N/A	#11 Pressuriz	zer Piping to 1-MOV-	1975	Repaired/Repl	No
Pipe	DuBose National Energy Services Inc.	410658	Ht.#: PZ278	N/A	Pipe, 2 1/2 in SA-376, Tp.	n., Sch. 160, ASME 316	2003	Replacement	No
Elbow	Consolidated Power Supply	408690	Ht.: F8746	N/A	Sch.160, Lor	, 2 1/2 in., 90 Deg., ng Radius, butt weld, 03, Gr. WP316	2002	Replacement	No
Concentric Reducer	DuBose National Energy Services Inc.	410658	Ht.#: F8791	N/A		e, Concentric, 4 in. X . 120 X 160, ASME WP316	2003	Replacement	No
7. Description of W	ork:								
- .	the piping/fitt	ings in s	support of	the replac	ement of 1	-MOV-403, #11	Press	urizer Isolat	ion
SIOCK VAIVE IOI I	-MINV-TV&.								
3. Tests Conducted:	Hydrostatic:	Pneumatic	□ Nom	inal Operating	Pressure: In	service: Leakage: 6	F Fund	ctional:	
	Pressure:	<u>2260</u>	psi.	Test Ten	perature:	660 Deg. F			
NOTE: Supplement	al sheets in form	of lists, sk	etches, or d	rawings may	be used, pro	ovided (1) size is 8-1	/2 in. x	11 in., (2)	

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. 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.

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.
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
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. SHAPINA FOR MR. JOHN NORRIS PER TELE-FAY Commissions: NB 9831, MO1171 ANII NB 12779, MO1153 National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner: _	Calvert Cli	ffs Nuclear Powe	er Plant, Ir	1C. Date:	6/17/2004		
		(name)					
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	Sheet 1 o	f 2		
		(address)				•	••
2. Plant:	Calvert Ci	iffs Nuclear Pow	er Plant	Unit:	One	•	
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R No. 200	3-1 - 024a, MV	VO No. 1200	205334
		(address)			(P.O. no., jo	b no., etc.)	
	Calver	t Cliffs Nuclear I	ower Plan	nt Dent Type Co	de Symbol Stam	ъ: <u>N/A</u>	
3. Work Perform	med by:	(name)		Authoriz	ation No.: <u>N/A</u>	<u>\</u>	
		(141110)		Exp Date	∷ <u>N/A</u>		
1650 Calvert	Cliffs Parkway	, Lusby, MD 200	657	Section 2	KI Class: C)ne	
		(address)					
4. Identification	of System: Syste	m Number 064	System Na	me: Reactor Co	olant Systen	<u> </u>	
5. (a) Applicable	: Construction Code		E Draft Co Class 1	de for Pumps & V	/alves, 1968	Edition, Ma	rch 1970
(b) Applicable	Sect XI Ed. for Re	pairs/Replacement		199	8 Edition	-	
6. Identification	of Components Re	paired or Replaced a	nd Replaceme	ent Components:			ASME
_						Repaired,	Code
Name of	Name of	Manufacturers	National	Other		Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen	(Yes or No
Valve	Velan Enginnering Co.	154	N/A	Pressurizer Isolation Blo for 1-ERV-404	ck Valve 1975	Repaired/Repl aced	No
Gate Valve	Flowserve Corporation	405820 SN: E506T- 1-2	N/A	Valve, Gate, 2 1/2 in., 17 Sch. 160 Buttwelded, Flo P/N W01-25821, ASME Gr. CF8M	wserve	Replacement	Yes
7. Description of	Work:						
-		ent of 1-MOV-40	5, #11 Pre:	ssurizer Isolation B	lock Valve fo	r 1-ERV-404	•
3. Tests Conduct	ed: Hydrostatic:	Pneumatic: Nor	ninal Operating	Pressure: Inservice:	Leakage: 🗸 Fu	nctional:	
	Pressure:	2260 psi.			Deg. F		
NOTE: Sunnlem		•		he used provided (1)	•	v 11 in (2)	

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 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.

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician 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 12-2-03 to 6.8 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.
JUHN NORRIS PER 75-25-FAY Commissions: NB 9831, MD.1171, ANII
Inspector's Signature National Board, State, and Endorsements
Date: 6 -18 200 4

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

Pg. 1 of <u>2</u>

REPRINT 6/93

1. Manufactured and			(r	rame and address	of N Certificate Hol	PA 1770 der)	1	
2. Manufactured for	Constellation N	uclear, P.	O. Box 1609	, Lusby, MD	20657	·		· ————
			(nar	ne and address of	Purchaser)		•	
3. Location of install	ation CCNPP, I	650 Calv	ert Chris Pai	(name and a	MD 20037			
	I	D.D. Gate				A		N/A
4. Model No., Series	No., or Type		Drawing	- *************************************	Rev	**	CRN	
5. ASME Code, Sect	tion III. Division 1:	19	95	1996	1		N	//A
		(edi	tion)	(addenda date)	(class	-	(Code C	Case no.)
6. Pump or valve	Valve	Nominal	inlet size	2 1/2"	Outlet size	· 2 1/2"		
7. Material: Body _	SA351-CF8M	Bonnet .	SA351-CF	(in.) 8M Disk	SA479-316	(in.) Bolting	Studs: \$	SA453-660E
•	•			•			Nuts:	SA194-8M
(a)	(b)	•	(c)		· (d)	•	(e)	
Cert.	Nat'l		Bod	•	Bonnet		Dis	
Halder's	Board		Seri No.		Serial .		Seri:	
Serial No.	No.		No		No.		· No.	
E506T-1-1	N/A		RI.		R21		6 an	
E506T-1-2	N/A		R10		R19 R20		7 an	
E506T-1-3 E506T-1-4			R1		R22		8 an	
23001.								
	· •			 ·		_	 	
	·							
				· <u>`</u>				 .
								 .
				<u> </u>				
<u> </u>		 -		 				
		 -				<u> </u>		
an state #\$			 		•			
	•	 -					:- -	
	•	` ' -						
				 . -				
								•
								 .

(12/88)

^{*}Supplemental information in form of tists, sketches, or drawings may be used provided (1) size is 8 ½ × 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.

FORM NPV-1 (Back — Pg. 2 of ____)

	•	:	•	. Certific	ate Holder	's Serial No	E506T-1-1	thru
8. Design conditions	2485	psi	675 ·	°F or val	JA Drassliri	s cizee	1703	1
a, bongn bonancia	(pressure)	ps	(temperature)		ro pressor.	. (1033		
9. Cold working pressur	4087	psi	at 100°F'	-				
10. Hydrostatic test	6150 psi.	Disk diff	erential test pres	ssure		4500	· · · · · · · · · · · · · · · · · · ·	. psi
11. Remarks: Material:							•	
			Code E719					
	Bonnet Nuts: (2						·	
		9) Trace	Code A288		 .			
			·	· <u>·</u>	•			
	· · · · · · · · · · · · · · · · · · ·	CERT	IFICATION OF D	ESIGN		<u>.</u>		٦,
•	Taha D. Q			•		·	17300	İ
Design Specification cert	ified by John R. S	ponsei		. P.E. State	MD_	Reg. no.	17308	<u>-</u>
Design Report certified b	yRona	ild S. Fan	еп	P.E. State	PA	Reg. no.	PE-035216-I	느
			ICATE OF COMP		•		· · · · · · · · · · · · · · · · · · ·	一.
We certify that the staten of the ASME Code, Section N Certificate of Authorizates Sold 2 No.	on III, Division 1. Ition NoFlows	•	N1712 ooration	his pump or valv	conform		5/04	- -
	· .						•	
		CERTIF	ICATE OF INSPE	CTION	•	······································	·	Ì
	Penns ston, Mass. 0-02, and sta	te that to	and have inspects the best of my	f employed by _ ed the pump, or knowledge and	One Bea valve, des bellef, the	con Americ cribed in this	a Insurance Data Report of	-
By signing this certificate, component described in the any personal injury or prop	nis Data Report. Fur	thermore,	neither the insp	ector nor his em	ployer sha	Il be liable in	1	- 1
Date 8-30-02 Signed	Marke	whose	 		Pennsylv	ania 2392	ğ ·	
Date CALLERY Signed	ries Youtherized in a	pactor)	Zommissions	[Nat'l, Bd. (incl.			r prov. and no.)	-
Cna	ties forms //							_

(1) For manually operated valves only.

As Required by the Provisions of the ASME Code Section XI

	0-14-00	r	51				- 4		
1. Owner:	Caivert Cili	ffs Nuclear Powe	er Plant, Ir	1C.	Date: _	6/17/20	04		
1650 Calvert	Cliffs Parkway	(name) 7; Lusby, MD 2	0657		Sheet 1	of 2			
		(address)							
2. Plant:	Calvert Cli	ffs Nuclear Pow (name)	er Plant		Unit: _	One	_		
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	R&R	No. 20	3-1-024	b, MV	VO No. 1200	0205334
		(address)				•		no., etc.)	
3. Work Perform	ned hy: Calvert	t Cliffs Nuclear F	Power Pla	nt Dept.		de Symbo	_		
J. WOLK I CHOIL	ica by.	(name)				zation No.	: <u>N/A</u>	:	
4070.0.1					-	e: <u>N/A</u>			
1650 Calvert		, Lusby, MD 206	657 		Section	XI Class:	0	ne	
		(address)		_					
4. Identification	of System: System	m Number <u>064</u>	System Na	ame: <u>Rea</u>	ctor Co	olant Sy	<u>/stem</u>	<u> </u>	
5. (a) Applicable	Construction Code	and Class: ASM	E B31.7 1	969 Editio	n, Sum	. 1971 A	dd; C	lass 1	
(b) Applicable	Sect XI Ed. for Rep	pairs/Replacement		,	19:	98 Editio	n		
6. Identification	of Components Rep	 paired or Replaced a	nd Replacem	ent Compone					ACME
6. Identification	of Components Rep	 paired or Replaced ar	nd Replacem	ent Compone		•. •		Repaired	ASME Code
6. Identification Name of	of Components Rep	paired or Replaced an	nd Replacem National	ent Compone			Year	Repaired, Replaced, or	Code
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · ·	-	ents:	• • • • • • • • • • • • • • • • • • •		Replaced, or	Code Stamped
Name of	Name of	Manufacturers	National	-	ents: Other entificatio	n	Year	Replaced, or	Code Stamped (Yes or No)
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Ide	Other entification of the period of the peri	n o 1-MOV- tric, 4 in. X	Year Built	Replaced, or Replacemen Repaired/Repl	Code Stamped (Yes or No)
Name of Componet Piping System Concentric Reducer	Name of Manufacturer Bechtel DuBose National Energy Services Inc.	Manufacturers Serial Number 4"CC-10-1002	National Board No.	Ide #11 Pressuria 405 Reducer, Pig 2 1/2 in., Sch	Other entification of the period of the peri	n o 1-MOV- tric, 4 in. X	Year Built	Replaced, or Replacemen Repaired/Repl aced	Code Stamped (Yes or No)
Name of Componet Piping System Concentric Reducer 7. Description of This plan was f	Name of Manufacturer Bechtel DuBose National Energy Services Inc. Work:	Manufacturers Serial Number 4"CC-10-1002 410658 Ht.#: F8791	National Board No. N/A N/A	#11 Pressuriz 405 Reducer, Pig 2 1/2 in., Sch SA-403, Gr.	Other entification of the period of the peri	n o 1-MOV- tric, 4 in. X), ASME	Year Built 1975 2003	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) No
Name of Componet Piping System Concentric Reducer 7. Description of This plan was f Isolation Block	Name of Manufacturer Bechtel DuBose National Energy Services Inc. Work: for the fitting and Valve for 1-ER	Manufacturers Serial Number 4"CC-10-1002 410658 Ht.#: F8791 d work needed to /-404.	National Board No. N/A N/A	#11 Pressuriz 405 Reducer, Pig 2 1/2 in., Sch SA-403, Gr.	Other entification of the period of the peri	n o 1-MOV- tric, 4 in. X), ASME	Year Built 1975 2003	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) No
Name of Componet Piping System Concentric Reducer 7. Description of This plan was f	Name of Manufacturer Bechtel DuBose National Energy Services Inc. Work: for the fitting and Valve for 1-ER	Manufacturers Serial Number 4"CC-10-1002 410658 Ht.#: F8791 d work needed to /-404.	National Board No. N/A N/A	#11 Pressuria 405 Reducer, Pig 2 1/2 in., Sch SA-403, Gr.	other entification of the content of	n o 1-MOV- tric, 4 in. X), ASME	Year Built 1975 2003	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) No
Name of Componet Piping System Concentric Reducer 7. Description of This plan was f Isolation Block	Name of Manufacturer Bechtel DuBose National Energy Services Inc. Work: for the fitting and Valve for 1-ER	Manufacturers Serial Number 4"CC-10-1002 410658 Ht.#: F8791 d work needed to /-404.	National Board No. N/A N/A support th	#11 Pressuria 405 Reducer, Pig 2 1/2 in., Sch SA-403, Gr.	Other entification of the content of	n o 1-MOV- tric, 4 in. X), ASME	Year Built 1975 2003	Replaced, or Replacemen Repaired/Replaced Replacement	Code Stamped (Yes or No) No

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. 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.

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: 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 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.
DONALO A . SHAPIRA FOIL MR.
TOHN NULLIS PER TEXEFAX Commissions: NB 9831, MO1171, ANII NB 12779, MO1155 Inspector's Signature National Board, State, and Endorsements
Date: 6-18 200 4

As Required by the Provisions of the ASME Code Section XI

1. Owner:		fs Nuclear Powe	r Plant, In	1C.	Date: 6/17/20	04		
		(name)						
1650 Calvert (Cliffs Parkway	; Lusby, MD 20)657		Sheet 1 of 2			
		(address)					•	
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant		Unit: One			
		(name)						
1650 Calvert C	Cliffs Parkway	; Lusby, MD 20	0657	R&R	No. 2003-1 - 024	c, MW	/O No. 1200	205334
		(address)				_	no., etc.)	
3. Work Performe	ed by: Calvert	Cliffs Nuclear P	ower Pla	nt Dept.	Type Code Symbo	•	·	
5. WOLK I CHOIM	-	(name)			Authorization No.	: <u>N/A</u>		
1650 Calvert C	liffe Parkway	, Lusby, MD 206	57		Exp Date: N/A Section XI Class:	^		
1030 Galvert		(address)			Section At Class:		ne	
4. Identification of		m Number 064	System Na	ame: Rea	ctor Coolant S	vstem	,	
4. Idominioadion o			Cyclesia :	<u></u>	-			
5. (a) Applicable (Construction Code	and Class: ASM	E B31.7 1	969 Editio	n, Sum. 1971 A	.dd; C	lass 1	
(b) Applicable S	Sect XI Ed. for Rep	nairs/Renlacement			1998 Editio	วก	4.1.3V	
(b) Applicable S	sect XI Lu. for Rep			·				
6. Identification o	f Components Rep	paired or Replaced ar	id Replacem	ent Compone	nts:			ASME
	N		NT-411		04	V	Repaired,	Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Ide	Other ntification	Year Built	Replaced, or Replacemen	-
	Bechtel	2 1/2"CC-10-1002-	N/A		er Pipe Support to 1-	1975	Repaired/Repl	
Pipe Support	Becntei	R12	IVA	MOV-405	et 1 the Support to 1-	1773	aced	110
Steel Plate	DuBose National	89317-GX Ht.#:	N/A	-	1/2 in. X 48 in. X 96	1993	Replacement	No
	Energy Services Inc.	421J4411		in., ASME S.	A-36			
Nut	Consolidated Power Supply	405854 Ht.# 7307732	N/A	Nut, Heavy I ASME SA-19	Hex, 5/8 in. X 11 TPI, 94 Gr. 2H	2001	Replacement	No
Rod	Mackson Inc.	412170 Ht.#: 622817	N/A	Rod, Allthres ASME SA-19	ad, 5/8 in. X 11 TPI, 93 Gr. B7	2004	Replacement	No
7. Description of V	Vork:							
•		ort work on 2 1/2	"CC10-10	02-R12 in :	support of the re	place	ment of 1-M	OV-
405, #11 Pressu	ırizer İsolation İ	Block Valve for 1-	ERV-404.					
		n		_				
8. Tests Conducted		B 174	ninal Operating		service: Leakage:	Fur	nctional:	
	Pressure:	<u>N/A</u> psi.	lest l'er	mperature:	<u>N/A</u> Deg. F			
NOTE: Supplemen	tal sheets in form	of lists, sketches, or o	lrawings may	y be used, pro	ovided (1) size is 8-	1/2 in. :	x 11 in., (2)	
information in Item	s 1 through 6 on th	is report is included						ieets is
recorded at the top	of this form.							

9. Remarks:

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

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Owner of 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 $4-17-04$ to $6-8-06$, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
DOWALO A · SHAPIRA FOR MR. JOHN NOWRY PER TELE-FAM Commissions: NB 9831, MD. 1171, AVII NB 12779, MD1155 National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner:		s Nuclear Pow	ver Plant, Ir	1C.	Date:	6/16/200	04		
1650 Calvert	Cliffs Parkway;	•	20657		Sheet 1 of	2			
		address)							
2. Plant:		fs Nuclear Pov	wer Plant		Unit:	One	-		
1650 Calvert	Cliffs Parkway;	Lusby, MD	20657	R&R	No. 2003	-1-018,	MWC	No. 12003	01717
	(address)	 -			(P.O.	no., job	no., etc.)	
	Calvert	Cliffs Nuclear	Power Plan	nt Dent	Type Cod	e Symbol	Stamp	o: <u>N/A</u>	
3. Work Perform	iicu by.	name)	1 01/01 1 14	пс воре.	Authoriza	tion No.:	<u>N/A</u>		
	·	•			Exp Date:	<u>N/A</u>			
1650 Calvert	Cliffs Parkway,	Lusby, MD 20	0657		Section X	I Class:	0	ne	
.,	Construction Code a		NE B&PV C	ode Sect.		Edition,	<u>-</u>	ı. 1983 Add	; Class 1
(b) Applicable		airs/Replacement		-	1998		<u>-</u>		ASME
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement		ent Compon	1998	Edition	n ·	Repaired, Replaced, or	ASME Code Stamped
(b) Applicable6. IdentificationName of	Sect XI Ed. for Report of Components Report Name of	airs/Replacement aired or Replaced	and Replacem	ent Compone	1998 ents: Other entification r Coolant Pur	Edition	n Year	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
(b) Applicable6. IdentificationName of Componet	Sect XI Ed. for Report of Components Report Name of Manufacturer Sulzer Bingham	airs/Replacement aired or Replaced Manufacturers Serial Number	and Replacem National Board No.	Ide #11B Reacto Mechanical Seal, Cartri 875B-3V Co	1998 ents: Other entification r Coolant Pur	np (RCP)	n Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
(b) Applicable 6. Identification Name of Componet RCP Seal Seal 7. Description of	Sect XI Ed. for Report of Components Report Name of Manufacturer Sulzer Bingham Inc. BGE CCNPP Shops	Manufacturers Serial Number SN: 1C864 1200103259 SN:	and Replacem National Board No. NB 1236 NB: 1238	#11B Reacto Mechanical Seal, Cartri 875B-3V Co Bingham po	ents: Other entification r Coolant Pur Seal. dge Assembly omplete Sulzer er FCR 87-007	np (RCP)	Year Built 1988 2002	Repaired, Replaced, or Replacemen Repaired/Replaced	ASME Code Stamped (Yes or No)

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

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.

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.
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
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 5-3-01, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
DONALD A. SHAPIRA FOR MR.
Date: 6-17 200 4 Commissions: NB 9831 MO 1171 AVII

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

1. Owner:	Calvert Cli	ffs Nuclear Pow	er Plant, Inc	Date: 4/19/2	004	
		(name)				
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	20657	Sheet 1 of 2		
•		(address)				
2. Plant:	Calvert Cl	iffs Nuclear Pow	er Plant	Unit: One		
1650 Calvert (Cliffs Parkway	; Lusby, MD 2	0657	R&R No. 2003-1-080	, MW	O No. 1200303202
		(address)		(P.	O. no., jo	b no., etc.)
3. Work Perform	adh Calver	t Cliffs Nuclear	Power Plan	Dept. Type Code Symb		• —
5. WOIR PERIORI	ей бу	(name)		Authorization No	: <u>N/A</u>	Ţ
				Exp Date: N/A		
1650 Calvert (Cliffs Parkway	, Lusby, MD 20	657 	Section XI Class:	T	wo
		(address)			_	_
4. Identification of	of System: Syste	m Number 041	System Nan	ne: Chemical Volume	Contr	<u>oi</u>
5. (a) Applicable (Construction Code	and Class: ASM	E B31.7 19	69 Edition, Sum. 1971 A	\dd; C	class 2
(b) Applicable S	Sect XI Ed. for Re	pairs/Replacement		1998 Editi	on	
6. Identification o	of Components Re	paired or Replaced a	nd Replacemer	t Components:	:	ASME Repaired, Code
Name of	Name of	Manufacturers	National	Other	Year	
Componet	Manufacturer	Serial Number	Board No.	Identification		Replacemen (Yes or No
Pipe Support	Bechtel	1-ACC233X-SUP		#11 Charging Pump Discharge De- Surger Restraint	1980	Repaired/Repi No aced
'. Description of V	Vork:					
-		he support/restra	int around #	11 Charging Pump Discl	narge	De-surger Shims
				welding was controlled b		
which was docu			•		•	· · · · · · · · · · · · · · · · · · ·
. Tests Conducted	Hydrostatic:	Pneumatic: No	minal Operating Pi	essure: Inscrvice: Leakage:	F	nctional:
10313 001100000	السا ،		Test Temp		٠.,	
	Draceuro					
	Pressure:	<u>N/A</u> psi.	Test Teni	erature: <u>N/A</u> Deg. F		
	tal sheets in form	of lists, sketches, or	drawings may t	ne used, provided (1) size is 8- and (3) each sheet is numbere		

recorded at the top of this form.

9. Remarks:

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

Certificate of Compliance We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Owner or Owner's Designee, Title Charles H. Ballard Engineering Technician Date: 4/19/2004
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 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 Mouris Commissions: NB 9831 ANTE, MO 1171
Date: 4-23 Inspector's Signature National Board, State, and Endorsements

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

								
1. Owner:	Calvert Cli	ffs Nuclear Pow	er Plant, Ir	nc. Date: _	6/15/200)4		
		(name)						
1650 Calvert	Cliffs Parkwa	y; Lusby, MD 2	0657	Sheet 1	of 2			
		(address)	5 1		_			
2. Plant:	Calvert CI	iffs Nuclear Pow	er Plant	Unit: _	One	-		
		(name)						
1650 Calvert	Cliffs Parkway	·	0657	R&R No. 200	<u>`</u>			303410
		(address)		Tyma C	•	-	no., etc.)	
3. Work Perform	ned by: Calver	t Cliffs Nuclear I	Power Plan	IL DEDL.	ode Symbol zation No.:	_		
		(name)			te: N/A	11/11		
1650 Calvert	Cliffs Parkway	, Lusby, MD 200	657	-	XI Class:	O	ne	
		(address)		*. <u>L</u> **				
4. Identification	of System: Syste	em Number 052	System Na	me: Safety Inje	ction			
		1.01	F DO4 4 0	4007 5 1111			_	
5. (a) Applicable	Construction Code	e and Class: ASM	E B31.1.0	1967 Edition, CC	ases N-2	, N-1	<u> </u>	
(b) Applicable	Sect XI Ed. for Re	pairs/Replacement		199	98 Edition	า		-
6. Identification	of Components Re	- paired or Replaced a	nd Replaceme	ent Components:		:		ASME
•	-	•	•	•		•	Repaired,	Code
Name of	Name of	Manufacturers	National	Other		Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Identificatio	n .	Built	Replacemen	(Yes or No
Valve	ITT Hammel-Dahl	69-4126-006	N/A	#12B Safety Injection 7 Reactor Safeguards Choleakage drain CV to R.V	eck Valve	1974	Repaired/Repi	No No
Plug Assembly	Flowserve Corporation	400322 Ht.#: 726176	6 N/A	Plug & Stem Ass. 1 in. ITT Hammel-Dahl Unb Globe Valve, BGEDRV 0013, item #6	alanced	2000	Replacement	No
7. Description of	Work:							
_	or the rebuildin	g of the #12B Sa	fety Injection	on Tank, Reactor	Safeguard	ls Ch	eck Valve l	eakage
3. Tests Conducte	d: Hydrostatic:		minal Operating] Fun	ctional:	
	Pressure:	<u>N/A</u> psi.	Test Ten	perature: <u>N/A</u>	Deg. F			
NOTE: Suppleme	ntal sheets in form	of lists, sketches, or	drawings may	be used, provided (1)) size is 8-1/	'2 in. x	11 in., (2)	

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:

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

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Owner of Owner's Designee, Title Charles H. Ballard 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 10-27-03 to 5-6.04, 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.
DOWALD A. SHAPINT FUN MR. SOHN NOTIFIES PER TELE-FAX Commissions: NB 9831, MD 1171, ANII NB 12779, MO 1155
Date: 6-16 Inspector's Signature National Board, State, and Endorsements

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

1. Owner:	Calvert Clif	fs Nuclear Powe	er Plant, lı	nc. Date:	2/19/20	04		
	-	(name)		-				
1650 Calvert	Cliffs Parkway	; Lusby, MD 2	0657	Sheet 1	of 2			
		(address)						
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant	Unit:	One	-		
4650 Column	Cliffo Borkway	(name)	nce7	R&R No. 20	13_1_075	RANA	12003	0270 <i>1</i>
1050 Calvert	Cliffs Parkway	` • ·	0657					
		(address)		Time C	P.O ode Symbo	-	no., etc.)	
3. Work Perform	ned by: Calvert	Cliffs Nuclear F	Power Pla	III DEDI.	zation No.:	-		
		(name)			te: N/A	IV/A		
1650 Calvert	Cliffs Parkway	, Lusby, MD 206	557	-	XI Class:	т.		
		(address)			AI Class.		NO	
4. Identification		m Number 041	System Na	ame: Chemical \	/olume C	ontro	ol	
5.(a) Applicable	Construction Code	and Class: ASMI	E B31.7 1	969 Edition, Sum	. 1971 A	dd; C	iass 2	
(b) Applicable	Sect XI Ed. for Rep	pairs/Replacement		19	98 Editio	n		
6. Identification	of Commonants Boo	 or Deplaced or	d Renlacem	ent Components:				
	oi Components Rei	Janeu of Mediaceu at						A CRATE
	or Components Rep	Danieu of Replaceu at	ia repiacem			•	Renaired	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identificatio	n		Repaired, Replaced, or Replacemen (Code Stamped
Name of	Name of Manufacturer	Manufacturers Serial Number 1ACC233Z, SUP	National	Other			Replaced, or	Code Stamped
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identificatio	charge De-	Built	Replaced, or Replacemen (Repaired/Repl	Code Stamped Yes or No
Name of Componet	Name of Manufacturer Bechtel DuBose National	Manufacturers Serial Number 1ACC233Z, SUP 400428 Ht#Y07703	National Board No.	Other Identificatio #13 Charging Pump Dis Surger Restraint Plate, Steel 1/2 in. X 48	charge De-	Built 1980	Replaced, or Replacemen (Repaired/Replaced	Code Stamped Yes or No
Name of Componet Pipe Support Steel Plate	Name of Manufacturer Bechtel DuBose National Energy Services Inc.	Manufacturers Serial Number 1ACC233Z, SUP 400428 Ht#Y07703	National Board No.	Other Identificatio #13 Charging Pump Dis Surger Restraint Plate, Steel 1/2 in. X 48	charge De-	Built 1980	Replaced, or Replacemen (Repaired/Replaced	Code Stamped Yes or No
Name of Componet Pipe Support Steel Plate Description of This plan was f	Name of Manufacturer Bechtel DuBose National Energy Services Inc.	Manufacturers Serial Number 1ACC233Z, SUP 400428 Ht#Y07703 or A3518	National Board No. N/A N/A	Other Identificatio #13 Charging Pump Dis Surger Restraint Plate, Steel 1/2 in. X 48	in. X 96	Built 1980 2001	Replaced, or Replacemen (Repaired/Repl aced Replacement	Code Stamped Yes or No No
Name of Componet Pipe Support Steel Plate Description of This plan was f	Name of Manufacturer Bechtel DuBose National Energy Services Inc. Work: or the work on t	Manufacturers Serial Number 1ACC233Z, SUP 400428 Ht#Y07703 or A3518 he support/restra	National Board No. N/A N/A	Other Identificatio #13 Charging Pump Dis Surger Restraint Plate, Steel 1/2 in. X 48 in., ASME SA-36 #13 Charging Pump	in. X 96	Built 1980 2001 arge [Replaced, or Replacemen (Repaired/Repl aced Replacement	Code Stamped Yes or No No
Name of Componet Pipe Support Steel Plate Description of This plan was fullowed by ES2	Name of Manufacturer Bechtel DuBose National Energy Services Inc. Work: or the work on t	Manufacturers Serial Number 1ACC233Z, SUP 400428 Ht#Y07703 or A3518 he support/restra	National Board No. N/A N/A int around	Other Identificatio #13 Charging Pump Dis Surger Restraint Plate, Steel 1/2 in. X 48 in., ASME SA-36 #13 Charging Pump	in. X 96	Built 1980 2001 arge [Replaced, or Replacemen (Repaired/Replaced Replacement De-surger the	Code Stamped Yes or No No

9. Remarks:

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

Certificate of Compliance We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI. Repair/Replacement conforms to the
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: 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.
Inspector's Signature Commissions: <u>UB9831</u> , <u>MD 1171</u> , AUT, AUT National Board, State, and Endorsements

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

1. Owner:	Calvert Cli	ffs Nuclear Pow	er Plant, l	nc. Date:	4/20/2004	-	
46E0 Calvar	4 Cliffo Borkway	(name)	20057				
1650 Calver	t Cliffs Parkway	/; Lusby, MD 2 (address)	20037	Sheet 1	of 2		
	Only and Oli		Dlami		•		
2. Plant:	Calvert Cil	iffs Nuclear Pov	ver Plant	Unit: _	One		
1650 Calver	t Cliffs Parkway	; Lusby, MD 2	20657 -	R&R No. 20	03-1 - 081, MW	/O No. 12003	04508
		(address)				ob no., etc.)	
3. Work Perfor	med by: Calver	t Cliffs Nuclear	Power Pla	iii Dept.	ode Symbol Stan	· —	
J. WOIRT CHO.		(name)			zation No.: N/	<u>4</u>	
1650 Calver	· Cliffe Barkway	, Lusby, MD 20	657	-	te: <u>N/A</u>		
	t Omis raikway	(address)		Section	XI Class:	<u>ľwo</u>	
4 Identification	n of System: Syste	m Number 052	System N	_{ame:} Safety Inje	ction		
			•,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
5. (a) Applicable	e Construction Code		E Draft Co ; Class 3	de for Pumps &	Valves, 1968	Edition, Mar	ch 1970
(b) Applicable	e Sect XI Ed. for Re	pairs/Replacement		. 19	98 Edition		
6. Identification	of Components Re	paired or Replaced a	and Replacem	ent Components:			ASME
6. Identification	of Components Re	paired or Replaced a	and Replacem	ent Components:		Repaired,	ASME Code
Name of	Name of	Manufacturers	National	Other		Replaced, or	Code Stamped
	<u>-</u>	-	-	•	n Buil	-	Code Stamped
Name of	Name of	Manufacturers	National	Other	n Built Orain to 1975	Replaced, or	Code Stamped
Name of Componet Valve	Name of Manufacturer Velan Enginnering Co.	Manufacturers Serial Number	National Board No.	Other Identificatio Refueling Water Tank I Miscellaneous Waste St	n Built Orain to 1975	Replaced, or Replacemen (Code Stamped Yes or No
Name of Componet Valve 7. Description of	Name of Manufacturer Velan Enginnering Co.	Manufacturers Serial Number SN: 1314	National Board No. N/A	Other Identificatio Refueling Water Tank I Miscellaneous Waste St Tank Isolation Valve	n Built Orain to 1975 orage	Replaced, or Replacemen (Repaired/Replaced	Code Stamped Yes or No Yes
Name of Componet Valve 7. Description of This plan was Tank Isolation	Name of Manufacturer Velan Enginnering Co. f Work: for the welding on Valve. This we	Manufacturers Serial Number SN: 1314	National Board No. N/A	Other Identificatio Refueling Water Tank I Miscellaneous Waste St	n Built Drain to 1975 orage to Miscellanee	Replaced, or Replacemen (Repaired/Replaced	Code Stamped Yes or No Yes
Name of Componet Valve 7. Description of This plan was	Name of Manufacturer Velan Enginnering Co. f Work: for the welding on Valve. This we put.	Manufacturers Serial Number SN: 1314 on 1-HVSI-4163, Idding is only for t	National Board No. N/A	Other Identification Refueling Water Tank I Miscellaneous Waste St Tank Isolation Valve Water Tank Drain bonnet assembly	n Built Orain to 1975 orage to Miscellaneo to prevent th	Replaced, or Replacemen (Repaired/Replaced	Code Stamped Yes or No Yes
Name of Componet Valve 7. Description of This plan was Tank Isolation from backing of	Name of Manufacturer Velan Enginnering Co. f Work: for the welding on Valve. This we put.	Manufacturers Serial Number SN: 1314 on 1-HVSI-4163, Idding is only for t	National Board No. N/A Refueling Vacks on the	Other Identification Refueling Water Tank I Miscellaneous Waste St Tank Isolation Valve Water Tank Drain bonnet assembly	n Built Orain to 1975 orage to Miscellaneo to prevent th	Replaced, or Replacemen (Repaired/Replaced aced Dus Waste Stee Yoke Bushi	Code Stamped Yes or No Yes

recorded at the top of this form.

9. Remarks:

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

We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician Date: 4/20/2004 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 12-12-04 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: <u>NB 98.31 ANT</u> , <u>MO 11.71</u> Inspector's Signature National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Clift	s Nuclear Powe	r Plant, In	IC.	Date: 6/17/20	04		
1. Owner		(name)	·_ · · · ·					
1650 Calvert C	Cliffs Parkway	Lusby, MD 20)657	-	Sheet 1 of 2		•	
		(address)					. •	
2. Plant:	Calvert Clif	fs Nuclear Powe	er Plant		Unit: One			
2. 1 10110.	((name)				_		
1650 Calvert C	Cliffs Parkway:	Lusby, MD 20)657	R&R	No. 2004-1-009	a. MV	/O No. 1200	400341
		(address)					no., etc.)	
	Calvart	,	lower Blac	at Dant	Type Code Symbo	ol Stamp	: N/A	
3. Work Performe	-u oy	Cliffs Nuclear P	ower Plai	it bept.	Authorization No.	-		
	'	name)			Exp Date: N/A			
1650 Calvert C	Cliffs Parkway,	Lusby, MD 206	57		Section XI Class:	T۱	NO	
	(address)						
4. Identification o	of System: System	n Number 041	System Na	me: Che	emical Volume (Contro	<u>ol</u>	
5. (a) Applicable C	Construction Code	and Class: ASME	E B31.1.0	1967 Edit	tion, 1972 Add			
(b) Applicable S	ect XI Ed. for Rep	airs/Replacement			1998 Editio	on		
6. Identification of	f Components Rep	aired or Replaced an	d Replaceme	ent Compon	ents:			ASME
					•		Repaired,	Code
Name of	Name of	Manufacturers	National	•	Other	Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Ide	entification	Built	Replacemen ((Yes or No
Piping System	Bechtel	3"HC-7-1004	N/A		cid Pump discharge to asket strainer.	1975	Repaired/Repi aced	No
Pipe	Tioga Pipe Supply Co. Inc.	76446-GX Ht.#: L25610	N/A	Pipe, 3 in. S Tp. 304	ch. 10, ASME SA-376	1993	Replacement	No
Nut	Mackson Inc.	407912 Ht.#: 7307732	N/A	Nut, Heavy ASME SA-1	Hex, 5/8 in. X 11 TPI, 194 Gr. 2H	2002	Replacement	No
Rod	Mackson Inc.	409797 Ht.#: 614117	N/A	Rod, Allthro ASME SA-1	ead, 5/8 in. X 11 TPI, 193 Gr. B7	2003	Replacement	No
Slip-on Flange	DuBose National Energy Services Inc.	54906-GX Heat Code: D3912	N/A		., 150 lb., Raised Face, ME SA-182, Gr. F316	1992	Replacement	No
7. Description of W	Vork.							
•		ent of the 3" pipin	a fittinas :	and faster	er material from	1-HV	CVC-236 to	the
		basket strainer 1		and lactor	ioi material nom		010 200 10	
8. Tests Conducted	: Hydrostatic:	Pneumatic Nom	inal Operating	Pressure: I	nservice: Leakage:	√ Fun	ctional:	
	Pressure:	<u>100</u> psi.	Test Ten	nperature:	150 Deg. F			

9. Remarks:

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

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.	
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	7.
Signed: Charles H. Ballard Engineering Technician Date: 6/17/2004 Owner or Owner's Designee, Title	Signe
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 5-19-09, 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.	and the State in this Owne knowledge Report in ac By signi the examina employer sh
DOWALD A. SHAPING FOR MR.	DOWAL
JOHN NORRIS PER TELE-FAX Commissions: NB 9831 MO 1171, ANII NB 12779, MO 1155	JOHN ,
Date: 6-17 Inspector's Signature National Board, State, and Endorsements	Date: 6

As Required by the Provisions of the ASME Code Section XI

1. Owner:	Calvert Cli	ffs Nuclear Pow	er Plant, Inc	Date:	6/17/2004	
		(name)				= ;
1650 Calvert	Cliffs Parkway	y; Lusby, MD 2	0657	Sheet 1	of 2	
		(address)				
2. Plant:	Calvert Cl	iffs Nuclear Pow	rer Plant	Unit:	One	
1650 Calvert	Cliffs Parkway	(name) /; Lusby, MD 2	0657	R&R No. 20	04-1 - 009b. M	IWO No. 1200400341
1000 04.1011		(address)			<u> </u>	job no., etc.)
	Calvor	` t Cliffs Nuclear	Dowar Diant	Dent Type C	ode Symbol Sta	•
3. Work Perform	ned by:	(name)	ower riam	Author	ization No.: N/	<u>'A</u>
		•		Exp Da	ate: <u>N/A</u>	
1650 Calvert	Cliffs Parkway	, Lusby, MD 20	657	Section	NXI Class:	Two
.,	Construction Code	and Class: ASM	E B31.1.0 1	967 Edition, 19	72 Add	
(h) Annlicable	Sect XI Ed. for Re	nairs/Replacement		19	98 Edition	
• , ••		pairs/Replacement			98 Edition	· · · · · · · · · · · · · · · · · · ·
• , ••		pairs/Replacement - paired or Replaced a	nd Replacemen		98 Edition	ASME
.,		-	nd Replacemen National Board No.		Yea	ASME Repaired, Code ar Replaced, or Stamped lt Replacemen (Yes or No
6. Identification Name of	of Components Re	paired or Replaced a Manufacturers	National Board No.	t Components:	Yez on Bui S Sys. 1975	Repaired, Code ar Replaced, or Stamped ilt Replacemen (Yes or No
6. Identification Name of Componet Pipe Support	of Components Re Name of Manufacturer Bechtel	paired or Replaced a Manufacturers Serial Number	National Board No.	t Components: Other Identification Pipe Support on CVCS spstream of 1-BS-209,	Yez on Bui S Sys. 1975	Repaired, Code ar Replaced, or Stamped ar Replacemen (Yes or No b Repaired/Repl No
6. Identification Name of Componet Pipe Support 7. Description of	of Components Re Name of Manufacturer Bechtel Work: for the removal	Manufacturers Serial Number 3"HC-7-1004,H2/R	National Board No.	t Components: Other Identification Pipe Support on CVCS spstream of 1-BS-209, trainer.	Yez on Bui S Sys. 1975 basket	Repaired, Code ar Replaced, or Stamped ar Replacemen (Yes or No b Repaired/Repl No
6. Identification Name of Componet Pipe Support 7. Description of This plan was f	of Components Re Name of Manufacturer Bechtel Work: for the removal	Manufacturers Serial Number 3"HC-7-1004,H2/R	National Board No.	t Components: Other Identification Pipe Support on CVCs spstream of 1-BS-209, trainer. 3"HC-7-1004, I	Yez on Bui S Sys. 1975 basket H2 / R3, upstr	Repaired, Code ar Replaced, or Stamped ilt Replacemen (Yes or No Repaired/Repl No aced
Name of Componet Pipe Support 7. Description of This plan was f basket strainer	of Components Re Name of Manufacturer Bechtel Work: for the removal	Manufacturers Serial Number 3"HC-7-1004,H2/R	National Board No.	Other Identification of 1-BS-209, trainer.	Yez on Bui 6 Sys. 1975 basket H2 / R3, upstr	Repaired, Code ar Replaced, or Stamped alt Replacemen (Yes or No Repaired/Repl No aced ream of 1-BS-209,

9. Remarks:

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

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.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: 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 2-3-27 to 5-19-69, 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 - SHAPITCA FUN MR. JOHN NOTICIS PEN TEZE-FAX Commissions: NB 9831, MD 1171, ANII NB 12779, MD 1155 National Board, State, and Endorsements Date: 6-17 2004

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

1. Owner:	Calvert Cli	iffs Nuclear Pow	er Plant, I	nc. Date:	5/20/2	004		
		(name)						
1650 Calvert	t Cliffs Parkwa	y; Lusby, MD 2	0657	Sheet	1 of 2			*
		(address)		•			,	
2. Plant:	Caivert Cl	liffs Nuclear Pow	er Plant	Unit:	One	_		
		(name)						
1650 Calvert	Cliffs Parkway	y; Lusby, MD 2	0657	R&R No. 20	004-1-017	, MW	O No. 12004	101939
		(address)			(P.	О. по., јо	b по., etc.)	
3. Work Perform	med by: Calver	rt Cliffs Nuclear F	ower Pla	nt Dept.	Code Symb		· ——	
J. WOIRT CHOIL	ined by.	(name)		Autho	rization No	.: <u>N/A</u>	1	
				-	ate: <u>N/A</u>			
1650 Calvert	Cliffs Parkway	y, Lusby, MD 200	557	Section	n XI Class:	T	wo_	
		(address)						
4. Identification	of System: Syste	em Number <u>052</u>	System N	ame: Safety Inj	ection			
								-
					40-4			
5. (a) Applicable	Construction Code	and Class: ASMI	E B31.7 1	969 Edition, Sur	n. 1971 <i>A</i>	\dd; C	lass 2	
		e and Class: ASMI	E B31.7 1		n. 1971 <i>A</i> 998 Editio		lass 2	
(b) Applicable	Sect XI Ed. for Re	epairs/Replacement		1:			lass 2	ASME
(b) Applicable	Sect XI Ed. for Re			1:				ASME Code
(b) Applicable	Sect XI Ed. for Re	epairs/Replacement		1:			Repaired,	Code
(b) Applicable 6. Identification	Sect XI Ed. for Re	epairs/Replacement epaired or Replaced ar	nd Replacem	19 ent Components:	998 Editio	on Year	Repaired,	Code Stamped
(b) Applicable6. IdentificationName of	Sect XI Ed. for Re of Components Re Name of	epairs/Replacement epaired or Replaced ar Manufacturers	nd Replacem National	19 ent Components: Other	998 Editio	on Year	Repaired, Replaced, or	Code Stamped (Yes or No)
(b) Applicable 6. Identification Name of Componet	Sect XI Ed. for Re of Components Re Name of Manufacturer	epairs/Replacement epaired or Replaced ar Manufacturers Serial Number	nd Replacem National Board No.	ent Components: Other Identificati	on Support Grinneli	Year Built	Repaired, Replaced, or Replacemen	Code Stamped (Yes or No)
(b) Applicable 6. Identification Name of Componet Pipe Support Rod Eye Bracket	Sect XI Ed. for Re of Components Re Name of Manufacturer Bechtel Grinnell Corporation	epairs/Replacementepaired or Replaced ar Manufacturers Serial Number	nd Replacem National Board No. N/A	Other Identificati Safety Injection Piping Bracket, Rod Eye, Re Assembly, 2 1/2" size, Fig. 201, Item 17, ASN	on Support Grinneli	Year Built 1975	Repaired, Replaced, or Replacemen Repaired/Repl	Code Stamped (Yes or No)
(b) Applicable 6. Identification Name of Componet Pipe Support Rod Eye Bracket 7. Description of	Sect XI Ed. for Re of Components Re Name of Manufacturer Bechtel Grinnell Corporation Work:	epairs/Replacementepaired or Replaced ar Manufacturers Serial Number	nd Replacem National Board No. N/A	oent Components: Other Identificati Safety Injection Piping Bracket, Rod Eye, Re Assembly, 2 1/2" size, Fig. 201, Item 17, ASN Gr. WCB	on Support ar Grinnell (E SA-216,	Year Built 1975 1999	Repaired, Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No) No
(b) Applicable 6. Identification Name of Componet Pipe Support Rod Eye Bracket 7. Description of This plan was f	Sect XI Ed. for Recomponents Re	Manufacturers Serial Number 12" GC-9-1003-R6 45824	nd Replacem National Board No. N/A	onther Identificati Safety Injection Piping Bracket, Rod Eye, Re Assembly, 2 1/2" size, Fig. 201, Item 17, ASM Gr. WCB	on Support Grinnell ME SA-216, 1-52-34,	Year Built 1975 1999	Repaired, Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No) No
(b) Applicable 6. Identification Name of Componet Pipe Support Rod Eye Bracket 7. Description of This plan was f R6.	Sect XI Ed. for Recomponents Re	Manufacturers Serial Number 12" GC-9-1003-R6 45824	National Board No. N/A N/A Od eye bracking	onther Identificati Safety Injection Piping Bracket, Rod Eye, Re Assembly, 2 1/2" size, Fig. 201, Item 17, ASM Gr. WCB	on Support Grinnell ME SA-216, 1-52-34,	Year Built 1975 1999	Repaired, Replaced, or Replacemen Repaired/Repl aced Replacement	Code Stamped (Yes or No) No

BACKSIDE OF NIS-2 FOR RTR NO. 2004-1-017 FORM NIS-2 (Back)

Sheet 2 of 2

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

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 Charles H. Ballard Signed: Date: Engineering Technician 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.

Commissions: NB 9831, MD1171

Inspector's Signature

NB 12779 MO 1155 National Board, State, and Endorsements

As Required by the Provisions of the ASME Code Section XI

									
1. Owner:	Calvert Clif	fs Nuclear Powe	er Plant, la	ıc.	Date:	6/21/20	04		
1. Owner		(name)		·	<i></i>				
1650 Calvert		; Lusby, MD 2	0657		Sheet 1	of <u>3</u> _			
		(address)							
2. Plant:	Calvert Cli	ffs Nuclear Pow	er Plant		Unit:	Commor	1_		
		(name)							
1650 Calvert		Lusby, MD 20	0657	R&R	No. SN			VO No. SNUI	3 POO
		(address)				•	••	b no., etc.)	
3. Work Perform	ned by: Calvert	Cliffs Nuclear F	ower Pla	nt Dept.		ode Symbo	-		
-,·		(name)				zation No.:	<u>IN/A</u>	1	
1650 Calvert	Cliffs Parkway.	Lusby, MD 206	557		-	e: <u>N/A</u> XI Class:	4 2	, & 3	
1000 0411011		(address)			Section	AI Class.	1, 2	, α σ	
4. Identification		n Number 065B	System Na	ame: Sei:	smic Sr	ubbers			
200			- J						
5. (a) Applicable	Construction Code	and Class: ASMI	E B31.7 19	169 Ed, Su	ım. 197	1 Add. C	lass '	f or Combus	tion
		Eng.	Spec 806	7-487-503					
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement			199	98 Editio	n		
6 Identification	of Components Per	aired or Replaced ar	d Deniscem	ent Compone	ente:	•• • • • • • • • • • • • • • • • • • • •			•
o. Identification	of Components Rep	alled of Replaced at	id Kepiacein	ent Compone	chis.			Repaired,	ASME Code
Name of	Name of	Manufacturers	National		Other		Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Ide	ntification	n .	Built	Replacemen (
Snubber Pool	Grinnell Corporation	Snubber Pool	N/A	Hydraulic St Suppressor	hock and Sv	vay	1975	Repaired/Repl	No
Snubber	Grinneli Corporation	59013-GX SN: 32323	N/A	Hydraulic S Suppressor, Stroke, Grin	1 1/2 in. Bo	re X 5 in.	1991	Replacement	No
Snubber	Grinnell Corporation	59013-GX SN: 32325	N/A	Hydraulic S Suppressor, Stroke, Grin	1 1/2 in. Bo	re X 5 in.	1991	Replacement	No
Snubber	Anvil International Inc. Grinnell Supports	411825 SN: 35846	N/A	Hydraulic Si Suppressor, Stroke, Anvi	Size: 3 X 5	in.	2004	Replacement	No
Snubber	Grinnell Corporation	59013-GX SN: 32321	N/A	Hydraulic Si Suppressor, Stroke, Grin	1 1/2 in. Bo	re X 5 In.	1991	Replacement	No
7. Description of	Works								
-		control of the Sn	ubber Bee	d and door	ımentati	on of nev	W COM	nonente/port	_
added to the Sr	nubber Pool per	control of the Sn Section XI 1998, Init #2, 2003 outa	IWA-4132	t, Items Ro	otated Fi	rom Stoc	k. Th	is plan covers	
8. Tests Conducted	d: Hydrostatic:	Pneumatic:☐ Nom	inal Operating	Pressure: In	iservice: 🔲	Leakage:] Fun	ctional:	
o. 1636 Conducted	Pressure:					Deg. F		مينينين ك	
	Fiessule:	<u>N/A</u> psi.	1031 1011	Torucus.	······	~~5. x			
			_						

9. Remarks:

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

Repair/Replacement
Ballard Fechnician Date: 6/21/2004
piler and Pressure Vessel Inspectors spected the components described, and state to the best of my neasures described in this Owner's not, expressed or implied, concerning fore, neither the Inspector nor his a loss of any kind arising from or
, ABNIS , MD 1165 MD 1155
loard, State, and Endorsements