

September 17, 2002

U. S. Nuclear Regulatory Commission Washington, DC 20555

ATTENTION:

Document Control Desk

SUBJECT:

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

Please find enclosed the Inservice Inspection Report for the Calvert Cliffs Nuclear Power Plant Unit 1. This inspection fulfilled the intentions and requirements stated in our program plan and our commitment to comply with American Society of Mechanical Engineers Code Section XI Inservice Inspection Requirements.

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

Very truly yours,

PEK/TWG/bjd

Enclosures:

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

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

cc: Mr. Craig Lowry

(Without Enclosures)

R. S. Fleishman, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC

D. M. Skay, NRC

H. J. Miller, NRC

Resident Inspector, NRC R. I. McLean, DNR

Sox,

## **ENCLOSURE (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 1479	5, Baltimore, MD 21203 (Name and Address of Owner)			
2. Plant	Calvert Cliffs Nuclear Power Plant,	1650 Calvert Cliffs Pk, Lusby, MD 20657			
		(Name and Address of Plant)			
3. Plant Ur	nıt	1			
4 Owner C	Certificate of Authorization (if required)	N/A			
5. Commer	rcial Service Date	5/08/1975			

20911

## 7. Components Inspected

6 National Board Number for Unit

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 Pipe	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
Shutdown Cooling Piping/Supports	Bechtel	N/A	N/A	N/A
Main Steam 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
Pressurizer Safety & Relief Proing/Supports	Bechtel	N/A	N/A	N/A
Feedwater Piping/Supports	Bechtel	N/A	N/A	N/A

8. Examination Dates 4/28/2000	to 6/19/2002
9. Inspection Period Identification: 1999	to 2002
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
- 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.

## NIS-1

The examinations reported herein constitute the fifteenth report of Inservice Inspections performed at Calvert Cliffs Unit 1, and the second report within the first period of the third interval of 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. Nondestructive examination data and procedures are available at the site for review.

14. Abstract of Results of Examinations and Tests

A visual inspection of component 6-SI-1214-R-1 revealed a loose bolt at the pipe clamp on snubber 1-52-60.

15. Abstract of Corrective Measures

The deficiency found on 6-SI-1214-R-1 was corrected, and four additional inspections were performed; no other problems were identified.

Steam Generators # 11 and #12 lower assemblies were replaced with new units manufactured by B&W Canada.

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.

Certifica	te of Authorization	ı No (ıf applıcat	ole) N/A	Expiration Date		
Date	9/3/2002	Signed	Constellation Energ	ју	Ву	Keith M. Hoffman Zutt MM
			Owner		-	
			CERTIFICAT	E OF INSERVICE INSE	ECTIO	ON
I, the ur	dersigned, holding a	valid commission	ssued by the National Boar	d of Boiler and Pressure Vesse	l Inspect	ores and the State or provinces of
MARYI	_AND	and employ	ed by FACTORY MUT	UAL INSURANCE COMPA	NY	of
JOHNS	STON, RI		have	inspected the components des	cribed ın	this Owner's Report during the peroid
4/28/20	000	to 6/19/200	 2 ,an	d state that to the best of my ki	nowledge	e and belief, the Owner has performed
	ations and tests and t	aken corrective me	asures described in this Ow	mer's Report in accordance wit	h the ins	pection plan and as required by the ASME
correcti	ve measures describe	d in this Owner's R	nor his employer makes ar eport Furthermore, neither from or connected with thi	r the Inspector nor his employe	mplied, o r shall be	concerning the examinations, tests, and e liable in any manner for any personal injury
R. W. I	.awrence Pol	let US	awrence co	ommissions NB 8226	Au:	I, MD647
	Inspecto	or's Signature				te, Province, and Endorsements
Date .	Sept. 3,	2002				

# Inservice Inspection Report 3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3 Plant Unit

1

4. Owner Certificate of Authorization( If Req.)

<u>N/A</u>

5 Commercial Service Date:

5/08/1975

6. National Board Number for Unit:

20911

**EXAM CATEGORY / ITEM NUMBER:** 

-- / --

Reactor Coolant System / Reactor Vessel Head

Summary/ID No

Component ID

Component Description

Comments

140000

Head Penetrations 1-74

Reactor Vessel Head CRDM, ICI, & Vent

Line Penetrations

This examination was performed in response to NRC Bulletin 2002-01. The exam was performed by Framatome ANP personnel with CCNPP Level II and Level III oversight. Pictures are located at CCNPP for

review

Exam Results:

2002VE002 Accept

**VARIOUS** 

Summary/ID No

Component ID

Component Description

Comments

170000

BACI CNTMT Mode 3 PS

MODE 3 POST SHUTDOWN WALKDOWN

Exams performed per NRC Generic Letter 88-05 & MN-3-301(Boric Acid Program); all components with boric acid build-up listed in IR3-076-465, IR3-076-466, and

IR3-076-467. No active leakage was noted

Exam Results:

2002BV134 Accept

170200

BACI AUX BLDG Mode 5/6

MODE 5/6 AUXILLARY BUILDING

WALKDOWN

Exams per NRC GL 88-05 & MN-3-301(Boric Acid Program) IR3-080-634 written due to active leakage on 1-cvc-210q in the 5' VCT Rm IR3-080-635 written for

various components with bonc acid build-up No active leakage seen under this MO.

Exam Results:

2002BV145 Accept

170100

**BACI CNTMT Mode 5/6** 

MODE 5/6 CONTAINMENT WALKDOWN

Exams per NRC GL 88-05 & MN-3-301(Boric Acid Program). Lower RPV head examined remotely.

Videotape with report. Htr pen. examined with insulation removed IAW requ for a VT-1 exam. New S/G manway studs with new S/G. No Boric Acid seen in

these areas.

Exam Results:

2002BV139 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant.

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit:

1

4 Owner Certificate of Authorization (If Req )

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit:

20911

**EXAM CATEGORY / ITEM NUMBER:** 

AUGMT / ----

MAIN STEAM

Summary/ID No

Component ID

**Component Description** 

Comments

422000

36-MS-1201-3LU

LONGITUDINAL SEAM

Allocated in accordance with CCNPP Augmented

Inservice Examination Program.

Exam Results:

2002BU034 Accept

2002BM052 Accept

427600

34-MS-1202-13LU

LONGITUDINAL SEAM

Allocated in accordance with CCNPP Augmented

Inservice Examination Program.

Exam Results

2002BU036 Accept

2002BM062 Accept

34-MS-1202-13LD

LONGITUDINAL SEAM

Allocated in accordance with CCNPP Augmented

Inservice Examination Program

Exam Results:

2002BM036 Accept

2002BU037 Accept

427650

427700

34-MS-1202-13

PIPE TO PIPE

Allocated in accordance with CCNPP Augmented

Inservice Examination Program

Exam Results:

2002BM034 Accept

2002BU035 Accept

431750

6-MS-1208-10N

PIPE TO PIPE

Allocated in accordance with CCNPP Augmented

Inservice Examination Program

Exam Results:

2002BU027 Accept

2002BM038 Accept

431900 6-MS-1208-11N

PIPE TO VALVE 1-CV-4071

Allocated in accordance with CCNPP Augmented Inservice Examination Program. Single side access due

to configuration. Weld preparation prevented complete coverage of far side. This item may be considered for

relief.

Exam Results:

2002BU028 Accept

2002BM039 Accept

## Inservice Inspection Report

3-1-2

1. Owner.

Constellation Energy, P O Box 1475, Baltimore, MD 21203

2. Plant.

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3 Plant Unit

4 Owner Certificate of Authorization (If Reg.)

N/A

5. Commercial Service Date.

5/08/1975

6. National Board Number for Unit.

20911

**EXAM CATEGORY / ITEM NUMBER:** 

B-A / B1.40

REACTOR PRESSURE VESSEL

Summary/ID No.

Component ID

Component Description

Comments

002350

6-209A

HEAD TO FLANGE WELD

\*Weld metal examined 100%; base metal exam limited due to support lugs. \*\*Flange configuration, welded lugs, insulation support ring, and weld transition area prevented full exam coverage This item may be

considered for relief.

Exam Results:

2002BU025

Accept

2002BM071

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-G-1 / B6.10

REACTOR PRESSURE VESSEL

Summary/ID No

Component ID

**Component Description** 

Comments

**RPV NUTS 1-54** 1 - 54 003550

VT of Rx Head Nuts 1 thru 18, minor mechanical damage, surface nicks, hammer marks. Nuts #1, 4, 15, and 16 showing a higher degree of mechanical damage. Areas of mechanical damage of the 18 nuts showed no

degradation.

Exam Results:

2002BV022 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-G-1 / B6.30

**REACTOR PRESSURE VESSEL** 

Summary/ID No

Component ID

Component Description STUD NUMBERS 1 THROU RPV STUDS

Comments Examined RPV Stud numbers 1 through 18

003500 Exam Results

> 2002BM068 Accept 2002BM056 Accept

2002BU038 Accept

2002BU039 Accept

2002BM067 Accept

**EXAM CATEGORY / ITEM NUMBER:** B-G-1 / B6.50

**REACTOR PRESSURE VESSEL** 

Summary/ID No 003600

Component ID

Component Description

WASHER NUMBERS 1 THR RPV WASHERS 1-54

Washers 1 thru 18 examined, the inner diameter face

area of all 18 washers showed minor (small) pitting with

no degradiation

Exam Results:

2002BV023 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit

4 Owner Certificate of Authorization (If Req.)

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit

20911

**EXAM CATEGORY / ITEM NUMBER:** 

B-J / B9.11

PRESSURIZER SPRAY

Summary/ID No

118150

118100

Component ID 4-PS-1003M-6 Component Description

**ELBOW TO PIPE** 

Comments

Exam Results:

Accept

2002BP067 2002BU032

Accept 4-PS-1003M-5

PIPE TO ELBOW

Exam Results:

2002BU031 Accept

2002BP061 Accept

**SAFETY INJECTION** 

Summary/ID No

Component ID 6-SI-1002-29

Component Description

Comments

Exam Results.

117200

2002BU066 Accept

2002BP257 Accept

117300

6-SI-1002-31

**ELBOW TO PIPE** 

**ELBOW TO PIPE** 

Exam Results:

2002BP157 Accept

2002BU068 Accept

6-SI-1003-23 117550

**ELBOW TO PIPE** 

Exam Results:

2002BU070 Accept

2002BP256 Accept

114350 12-SI-1009-16 NOZZLE TO SAFE END

Exam Results:

2002BU077 'Accept

2002BP296 Accept

117350 6-SI-1002-32

PIPE TO BRANCH CONNECTION

\* The PDI austenitic UT procedure not qualified to detect flaws on far side of single side access welds; 50% coverage is max credit allowed Far side of weld examined to max extent possible by approved PDI techniques Item may be considered for relief.

Exam Results:

2002BU069 Accept

2002BP259 Accept

117150 6-SI-1002-28 PIPE TO ELBOW

Exam Results:

2002BP158 Accept

2002BU065 Accept

PIPE TO ELBOW

Exam Results:

117250

2002BU067 Accept

6-SI-1002-30

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit

<u>1</u>

4. Owner Certificate of Authorization( If Req )

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit

20911

2002BP258

SHUTDOWN COOLING

Summary/ID No

Component ID 14-SC-1004-5

Accept

Component Description

**ELBOW TO PIPE** 

Comments

Exam Results:

111350

113000

2002BU062 Accept

2002BP154 Accept

14-SC-1004-29

**ELBOW TO PIPE** 

Exam Results:

2002BU029 Accept

2002BP060 Accept

111750

14-SC-1004-10

PIPE TO ELBOW

Exam Results:

2002BU063 Accept

2002BP156 Accept

112500

14-SC-1004-20

PIPE TO ELBOW

Exam Results:

2002BP155 Accept

2002BU064 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit:

4. Owner Certificate of Authorization( If Req )

<u>N/A</u>

5 Commercial Service Date:

5/08/1975

6 National Board Number for Unit:

20911

**EXAM CATEGORY / ITEM NUMBER:** 

B-J / B9.21

**CHARGING (CVCS)** 

Summary/ID No

Component ID

Component Description

Comments

Exam Results:

2-CV-1004-6B

**ELBOW TO PIPE** 

2002BP247 Accept

128350

128250

2-CV-1004-6D

**ELBOW TO PIPE** 

Exam Results:

2002BP249 Accept

131050

2-CV-1006-14N

**ELBOW TO PIPE** 

Exam Results:

2002BP244 Accept

2-CV-1005-29 130450

NOZZLE TO SAFE END

Exam Results:

2002BP304 Accept

128300 2-CV-1004-6C PIPE TO ELBOW

Exam Results:

2002BP248 Accept

131000

2-CV-1006-13N

PIPE TO ELBOW

Exam Results:

2002BP243 Accept

131150 2-CV-1006-15N PIPE TO TEE

Exam Results

2002BP240 Accept

128100

2-CV-1004-5N

**TEE TO PIPE** 

Exam Results:

2002BP246 Accept

129100

2-CV-1005-9N

**TEE TO PIPE** 

Exam Results:

2002BP241 Accept

129250

2-CV-1005-10B

TEE TO PIPE

Exam Results:

2002BP242 Accept

PRESSURIZER SPRAY

Summary/ID No.

Component ID 3-PS-1001-1

Component Description NOZZLE TO SAFE END Comments

Exam Results:

118550

120350

2002BP303 Accept

3-PS-1002-1

NOZZLE TO SAFE END

Exam Results:

2002BP300 Accept

**REACTOR COOLANT DRAINS** 

Summary/ID No

Component ID

Component Description

Comments

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit

4. Owner Certificate of Authorization (If Req.)

N/A

5. Commercial Service Date:

5/08/1975 20911

6. National Board Number for Unit. 131500

2-DR-1004-1

NOZZLE TO SAFE END

Exam Results:

2002BP301

**EXAM CATEGORY / ITEM NUMBER:** 

B-J / B9.32

**REACTOR COOLANT** 

Summary/ID No

Accept

Component ID 30-RC-11A-5/2-DR-1003 Component Description 2-IN BRANCH CONNECTION Comments

Exam Results

2002BM445 Accept

102600

101900

30-RC-11A-10/2-CV-1005

30-RC-11B-5/2-DR-1004

2-IN. BRANCH CONNECTION

Exam Results:

2002BM448 Accept

104150

2-IN BRANCH CONNECTION

Exam Results:

2002BM446 Accept

104850 30-RC-11B-10/3-PS-1002 2-IN. BRANCH CONNECTION

Exam Results:

2002BM450 Accept

107050

30-RC-12A-5/2-LD-1004

2-IN. BRANCH CONNECTION

Exam Results:

2002BM447 Accept

102700

30-RC-11A-10/3-PS-1001

3-IN. BRANCH CONNECTION

Exam Results:

2002BM449 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3 Plant Unit:

4. Owner Certificate of Authorization( If Reg )

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit:

20911

**EXAM CATEGORY / ITEM NUMBER:** 

B-J / B9.40

**CHARGING (CVCS)** 

Summary/ID No

Component ID 2-CV-1003-33

Component Description **COUPLING-TO-PIPE** 

Comments

Exam Results:

2002BP293 Accept

126100

127300

2-CV-1003-8D

PIPE TO VALVE 1-CVC-185

Exam Results:

2002BP254 Accept

126000

2-CV-1003-8B

PIPE TO VALVE 1-CVC-389

Exam Results

2002BP252 Accept

125950

2-CV-1003-8A

TEE TO PIPE

**Exam Results:** 

2002BP251 Accept

125800 2-CV-1003-5 VALVE 1-CV-517 TO PIPE

Exam Results

2002BP294 Accept

126050

2-CV-1003-8C

VALVE 1-CVC-389 TO PIPE

Exam Results

2002BP253 Accept

**LETDOWN LINES (CVCS)** 

Summary/ID No

Component ID 2-LD-1004-8C

Component Description PIPE TO TEE

Comments

125550 Exam Results:

2002BP308 Accept

125450

2-LD-1004-8A

PIPE TO VALVE 1-CVC-397

Exam Results:

2002BP306 Accept

125500

2-LD-1004-8B

VALVE 1-CVC-397 TO PIPE

Exam Results:

2002BP307 Accept

**REACTOR COOLANT DRAINS** 

Summary/ID No. 131550

Component ID 2-DR-1004-1A

Component Description SAFE END TO PIPE

Comments

Exam Results:

2002BP302 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3 Plant Unit.

4 Owner Certificate of Authorization (If Req.)

N/A

5. Commercial Service Date.

5/08/1975

6. National Board Number for Unit:

20911

**EXAM CATEGORY / ITEM NUMBER:** 

B-M-2 / B12.50

SAFETY INJECTION

Summary/ID No 135650

Component Description

Comments

1-SI-217

**VALVE BODIES GROUP 5** 

Exam Results:

2002BV112 Accept

Component ID

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.10

REACTOR COOLANT

Summary/ID No.

Component ID

Component Description

Comments

PRESSURE RETAINING C REACTOR PRESSURE VESSEL

PRESSURE RETAINING C PRESSURIZER

Exam Results:

138650

2002BV178 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.20

**PRESSURIZER** 

Summary/ID No

Component ID

Component Description

Comments

Comments

138750 Exam Results:

2002BV179 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.30

STEAM GENERATOR

Summary/ID No

Component ID

Component Description

PRESSURE RETAINING C STEAM GENERATORS

Exam Results:

138850

2002BV180 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.50

**RCS SI CVCS** 

Summary/ID No

Component ID

**Component Description** 

Comments

Comments

PRESSURE RETAINING C PIPING 139050

Exam Results:

2002BV182 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.60

REACTOR COOLANT

Summary/ID No 139150

**Component Description** 

PRESSURE RETAINING C PUMPS

Exam Results:

2002BV183 Accept

Component ID

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit

4. Owner Certificate of Authorization( If Req.)

N/A

VALVES

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit:

20911

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.70

SI CVCS

Summary/ID No

Component ID

Component Description

Comments

139250 Exam Results:

2002BV184 Accept

PRESSURE RETAINING C

**EXAM CATEGORY / ITEM NUMBER:** 

C-C / C3.20

**SAFETY INJECTION** 

Summary/ID No.

Component ID

Component Description INTEGRAL ATTACHMENT Comments

Exam Results:

2002BP071 Accept

304950

302750

18-SI-1204-H-10, R-6

18-SI-1203-H-2, R-1

INTEGRAL ATTACHMENT

Exam Results:

2002BP073 Accept

309300 14-SI-1211-H-9 INTEGRAL ATTACHMENT

\* Pipe attachment in way of examination area.

Exam Results:

2002BP035 Accept

310800

12-SI-1214-H-8

INTEGRAL ATTACHMENT

Exam Results:

2002BP019 Accept

315500 10-SI-1206-R-4 INTEGRAL ATTACHMENT

TWO STANCHIONS ATTACHED TO 10" HC-3-1006

180 DEGREES FROM EACH OTHER

Exam Results:

2002BP059 Accept

316050

10-SI-1207-R-18

INTEGRAL ATTACHMENT

Exam Results:

2002BP292 Accept

319150 8-SI-1221-H-4 INTEGRAL ATTACHMENT

Exam Results:

2002BP025 Accept

INTEGRAL ATTACHMENT

Exam Results:

331150

2002BP234 Accept

332650

6-SI-1214-R-1

6-SI-1213-A-1

INTEGRAL ATTACHMENT

Exam Results:

2002BP318 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit:

4. Owner Certificate of Authorization( If Req.)

<u>N/A</u>

5 Commercial Service Date:

5/08/1975

6. National Board Number for Unit

20911

**EXAM CATEGORY / ITEM NUMBER:** 

C-F-1 / C5.11

**SAFETY INJECTION** 

Summary/ID No

Component ID 12-SI-1214-12

Component Description

ELBOW TO VALVE 1-SI-306

Comments

\*The PDI procedure is not qualified to detect defects on the far side of single side access Austenitic welds The inaccessable side has been examined with approved PDI techniques. \*\*This item may be considered for

relief.

Exam Results

310650

20021BU002 Accept

2002BP018 Accept

# Inservice Inspection Report

3-1-2

1. Owner.

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant.

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit.

4. Owner Certificate of Authorization (If Req.)

N/A

5. Commercial Service Date:

5/08/1975 20911

6. National Board Number for Unit:

**EXAM CATEGORY / ITEM NUMBER:** 

C-F-1 / Exempt

**SAFETY INJECTION** 

Summary/ID No

307500

Component ID 14-SI-1201-3

Component Description

Comments

\* Exam elbow side only due to configuration The PDI **ELBOW TO FLANGE** procedure not qualified to detect defects on far side of single side access welds. The far side has been

examined to max extent achievable by approved PDI techniques May be considered for relief.

Exam Results:

20021BU011 Accept

2002BP030 Accept

18-SI-1204-2

**ELBOW TO PIPE** 

Exam Results:

304750

2002BU060 Accept

2002BP076 Accept

10-SI-1207-3

316000

**ELBOW TO PIPE** 

Exam Results:

20021BU019 Accept

2002BP036 Accept

317350

8-SI-1220-6

**ELBOW TO PIPE** 

Exam Results:

20021BU005 Accept Accept

2002BP021

319100 8-SI-1221-3 **ELBOW TO PIPE** 

Exam Results:

20021BU008 Accept

2002BP024 Accept

6-SI-1203-11 321200

**ELBOW TO REDUCER** 

Exam Results:

2002BU024 Accept

2002BP053 Accept

328700 6-SI-1211-14 **ELBOW TO REDUCER** 

Exam Results:

2002BP034 Accept

20021BU018 Accept

310850 12-SI-1214-15 **ELBOW TO TEE** 

Exam Results:

2002BP020 Accept

20021BU004 Accept

321150 6-SI-1003-10 **FLANGE TO ELBOW** 

\* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to

maximum extent achievable by approved PDI techniques. This item may be considered for relief.

Exam Results

2002BP052 Accept

2002BU023 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit

4. Owner Certificate of Authorization( If Req )

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit

20911

324050

6-SI-1206-11

FLANGE TO ELBOW

\* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to maximum extent achievable by approved PDI

techniques This item may be considered for relief.

Exam Results:

2002BP032 Accept

20021BU016 Accept

313450

10-SI-1203-5

FLANGE TO PIPE

\* Examined Pipe side only due to configuration. The exam volume on opposite side examined by PDI techniques, but credit cannot be taken for this examsince PDI procedure is not qualified for this volume.

This item may be considered for relief

Exam Results:

2002BU026 Accept

2002BP047 Accept

302200

18-SI-1203-1

PIPE TO ELBOW

**Exam Results:** 

2002BU059 Accept

2002BP075 Accept

302800

18-SI-1203-7

PIPE TO ELBOW

Exam Results:

2002BP135 Accept

20021BU013 Accept

309750 12-SI-1213-6 PIPE TO ELBOW

Exam Results:

20021BU010 Accept

2002BP029 Accept

318150

8-SI-1220-16

PIPE TO ELBOW

Exam Results:

2002BP022 Accept

20021BU006 Accept

318250

8-SI-1220-18

PIPE TO ELBOW

Exam Results:

2002BP023 Accept

20021BU007 Accept

328000

6-SI-1211-2

PIPE TO ELBOW

Exam Results:

2002BP044 Accept

2002BU021 Accept

312850

10-SI-1202-3

PIPE TO FLANGE

\*Since PDI Aust Pipe Procd not qual'd to detect defects on far side of single sided welds, max coverage claimed can be 50%. Additional constraint of branch connection lowers coverage to 47%. Far side examined to max

extent possible with PDI techniques.

Exam Results:

20021BU015 Accept

2002BP026 Accept

## Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit

4. Owner Certificate of Authorization( If Reg )

<u>N/A</u>

5. Commercial Service Date:

5/08/1975

6 National Board Number for Unit.

20911

315650

10-SI-1206-10

PIPE TO FLANGE

Exam Results:

2002BP048 Accept

328500

6-SI-1211-10

PIPE TO FLANGE

\* PDI procedure not qualified to detect defects on the far side of single side access welds, far side examined to maximum extent achievable by approved PDI techniques. This item may be considered for relief.

Exam Results:

2002BP033 Accept

20021BU017 Accept

312700

12-SI-1216-7

PIPE TO REDUCER

Exam Results:

20021BU003 Accept

2002BP017 Accept

315750

10-SI-1206-12

PIPE TO REDUCER

Exam Results:

2002BU022 Accept

2002BP045 Accept

305000

18-SI-1204-6

PIPE TO VALVE 1-SI-4146

Exam Results:

2002BP074 Accept Accept

2002BU061

302550 18-SI-1203-3 PIPE TO VALVE MOV-4143

The PDI procedure not qualified to detect defects on far side of single side access welds. The far side has been examined to max extent achievable by approved PDI

techniques May be considered for relief.

Exam Results

2002BP072 Accept

2002BU051 Accept

312800

10-SI-1202-2

REDUCER TO PIPE

Exam Results:

2002BP027 Accept

20021BU014 Accept

323300

6-SI-1206-1

**TEE TO PIPE** 

\* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to

maximum extent achievable by approved PDI techniques This item may be considered for relief.

Exam Results:

2002BP043 Accept

2002BU020 Accept

320650

6-SI-1203-1

VALVE 1-SI-401 TO PIPE

\* The PDI austenitic UT procedure not qualified to detect flaws on far side of single side access welds; 50% coverage is max credit allowed Far side of weld

examined to max extent possible by approved PDI techniques Item may be considered for relief.

Exam Results:

2002BP058 Accept 2002BU071 Accept

## Inservice Inspection Report 3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3 Plant Unit:

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit.

20911

2002BU030

6-SI-1206-7

Accept

VALVE 1-SI-411 TO PIPE

\* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to

maximum extent achievable by approved PDI techniques This item may be considered for relief.

**Exam Results:** 

2002BP031 Accept

20021BU012 Accept

307400

323850

14-SI-1201-1

VALVE SI-441 TO TEE

\* The PDI austenitic UT procedure not qualified to

detect flaws on far side of single side access welds; 50% coverage is max credit allowed. Far side of weld examined to max extent possible by approved PDI techniques. Item may be considered for relief

Exam Results:

20021BU009 Accept

2002BP028 Accept

2002BU073 Accept

C-F-2 / C5.51 **EXAM CATEGORY / ITEM NUMBER:** 

**MAIN STEAM** 

Summary/ID No

Component ID 36-MS-1201-3

Component Description

PIPE TO VALVE 1-CV-4043

Comments

Exam Results:

422050

2002BM032 Accept

2002BU033 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

C-F-2 / C5.81

**MAIN STEAM** 

Summary/ID No 422300

Component ID

36-MS-1202-1/6-RV-4000

Component Description

6-IN, BRANCH CONNECTION

Comments

Exam Results:

2002BP264 Accept

421350

36-MS-1201-1/6-RV-3992

**BRANCH CONNECTION** 

Exam Results:

2002BM033 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

E-A / E1.11

Containmen t Structures

Summary/ID\_No\_

Component ID

Component Description

A10000

Liner

All accessible areas

Overall Gen Visual Exam of Liner shows no evidence of damage or degradation. Areas identified are from mechanical means which have chipped/peeled coating

not exposing the substrate.

Exam Results:

2002VE001

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit:

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit.

20911

**EXAM CATEGORY / ITEM NUMBER:** 

F-A / F1.10

**SAFETY INJECTION** 

Summary/ID No

Component ID

Component Description

Comments

602500

12-SI-1011-R-8

COMPONENT SUPPORT-SNUBBER

THIS EXAM WAS DONE AS AN ADDITIONAL EXAM

DUE THE FAILURE OF LTP# 710200 (REF. REPORT

NO 2002BV118)

Exam Results:

2002BV128 Accept

601600

12-SI-1009-R-4

COMPONENT SUPPORT-SNUBBER- C-

**THERMAL** 

THIS EXAM WAS DONE AS AN ADDITIONAL EXAM

DUE TO THE FAILURE OF LTP# 710200 (REF.

REPORT N0.2002BV118)

Exam Results:

2002BV129 Accept

# Inservice Inspection Report

3-1-2

1. Owner:

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit:

4 Owner Certificate of Authorization( If Req )

N/A

5. Commercial Service Date:

5/08/1975

6. National Board Number for Unit.

20911

**EXAM CATEGORY / ITEM NUMBER:** 

F-A / F1.20

SAFETY INJECTION

Summary/ID No

Component ID

Component Description

Comments

710150

6-SI-1214-H-1

COMPONENT SUPPORT

THIS EXAM WAS DONE AS AN ADDITIONAL EXAM

DUE TO THE FAILURE OF LTP# 710200.

(REF. REPORT NO. 2002BV118)

Exam Results:

2002BV126 Accept

710250

6-SI-1214-R-2

COMPONENT SUPPORT-SNUBBER

THIS EXAM WAS DONE AS AN ADDITIONAL EXAM

DUE TO THE FAILURE OF LTP# 710200 (REF.

REPORT N0.2002BV118)

Exam Results

2002BV127 Accept

6-SI-1212 -R-9 709550

COMPONENT SUPPORT-SNUBBER: C-

**THERMAL** 

Exam Results:

2002BV117 Accept

710200

6-SI-1214-R-1

COMPONENT SUPPORT-SNUBBER;C-

**THERMAL** 

Snubber 1-52-60 has loose bolt at the pipe clamp. IR3-071-565 was written to address the problem; the loose bolt was corrected on the spot by snubber mechanic Additional exams were performed on LTP #s 601600,

602500, 710150, 710250.

Exam Results:

2002BV118 Reject

705550 10-SI-1206-H-6 COMPONENT SUPPORT-SPRING; C-

COMPONENT SUPPORT-SPRING:C-

**THERMAL** 

**BOTH SPRING CANS (COMPONENT SUPPORT)** SHOW 825# IN THE AS FOUND CONDITION THE +/-5% OF THE 825# IS WITHIN THE REFERENCE

VALUE OF 800#.

**Exam Results:** 

2002BV020 Accept

703750 14-SI-1211-H-9

**THERMAL** 

Northeast side of component support shows misalignment; was measured with angle finder & found to be 4° off center. LEVEL II NOTE- Per engineering

the misalignment is acceptable.

Exam Results:

2002BV013 Accept

713350 3-SI-1201-H-12 COMPONENT SUPPORT-SPRING,C-

**THERMAL** 

Exam Results

2002BV133 Accept

18-SI-1203-H-2, R-1 701800

COMPONENT SUPPORT; A-ONE DIR

Exam Results:

2002BV100 Accept

703325 14-SI-1204-R-1 COMPONENT SUPPORT; A-ONE DIR

Spacers on bottom section of restraint found to be installed on outside of clevis. IR3-076-471 written to address problem. Problem corrected under MO # 1200200946. Reinspected restraint after corrective

action - Satisfactory

Exam Results

# Inservice Inspection Report

3-1-2

1. Owner.

Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

2 Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657

3. Plant Unit.

4. Owner Certificate of Authorization (If Req.)

N/A

5 Commercial Service Date:

5/08/1975

6. National Board Number for Unit

20911

2002BV017 Reject

704100

12-S!-1214-H-8

COMPONENT SUPPORT; A-ONE DIR

Spring can setting is not within 5% of reference setting IR3-070-374 written. Spring can setting adjusted under MO#1200201709 and verified setting at 4250# on

5/21/2002.

**Exam Results:** 

2002BV135 Accept

705700

10-SI-1207-R-18

COMPONENT SUPPORT: A-ONE DIR

**OBSERVED CONCRETE SPALLING ON CEILING** NEAR ATTACHMENT PLATE EAST SIDE, APPEARED TO BE PREVIOUS EXISTING CONDITION AS IT WAS

PAINTED.

Exam Results:

Exam Results

2002BV005 Accept

706400

703800

COMPONENT SUPPORT, A-ONE DIR 8-SI-1220-H-13

2002BV146 Accept

COMPONENT SUPPORT; B-MULTI DIR 14-SI-1211-R-7

Exam Results:

2002BV012 Accept 10-SI-1206-R-4

705600

COMPONENT SUPPORT; B-MULTI DIR

Exam Results:

2002BV021 Accept

706700

8-SI-1221-H-4 COMPONENT SUPPORT; B-MULTI DIR

Exam Results:

2002BV147 Accept

708450

6-SI-1210-A-1 COMPONENT SUPPORT; B-MULTI DIR

Exam Results

2002BV116 Accent

716100

COMPONENT SUPPORT, B-MULTI DIR 2-SI-1212-S-1

Exam Results:

2002BV007 Accept

716150 2-SI-1212-S-2 COMPONENT SUPPORT: B-MULTI DIR

Exam Results:

2002BV008 Accept

716200

COMPONENT SUPPORT; B-MULTI DIR 2-SI-1212-S-3

Exam Results:

2002BV010 Accept

716250 2-SI-1212-S-4 COMPONENT SUPPORT; B-MULTI DIR

Exam Results:

2002BV009 Accept

716350 2-SI-1215-S-1 COMPONENT SUPPORT; B-MULTI DIR

Exam Results:

2002BV003 Accept

716500 2-SI-1215-S-4 COMPONENT SUPPORT; B-MULTI DIR

Exam Results:

2002BV006 Accept

## Inservice Inspection Report 3-1-2

1. Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203

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

3. Plant Unit:

Accept

Accept

Accept

Accept

Accept

Accept

5. Commercial Service Date.

2002BV099

2002BV011

2002BV113

2002BV014

4. Owner Certificate of Authorization( If Req ) <u>N/A</u>

5/08/1975 6. National Board Number for Unit. 20911

702600 18-SI-1204-R-6, H-10 COMPONENT SUPPORT; A-ONE DIR

Exam Results:

708700 6-SI-1211-H-17 COMPONENT SUPPORT; A-ONE DIR

Exam Results

709700 6-SI-1213-A-1 COMPONENT SUPPORT; A-ONE DIR

Exam Results

708800 6-SI-1211-R-13 COMPONENT SUPPORT; B-MULTI DIR

Exam Results

710450 6-SI-1217-R-9 COMPONENT SUPPORT; B-MULTI DIR

Exam Results: 2002BV131 Accept

713400 3-SI-1201-R-10 COMPONENT SUPPORT; B-MULTI DIR

Exam Results 2002BV132

716400 2-SI-1215-S-2 COMPONENT SUPPORT, B-MULTI DIR

Exam Results: 2002BV004

## ENCLOSURE (2)

# ASME BOILER & PRESSURE VESSEL CODE SECTION XI, FORM NIS-2

# 2002-1 Class 1 and 2 NIS-2's Completed

`MWO No. ₹.	R&R Number	Tr. 海門包 UEICA N. 社画	≟⊧Class∄.	Review Date
1199701954	98-1-186	1CKVSI-217	One	7/12/2002
1200001584	2000-1-077a	1CKVCVC-185	One	8/12/2002
1200001460	2000-1-104	1CV100E	One	8/8/2002
1200005063	2001-1-010	1CV618	One	7/19/2002
1200005064	2001-1-011	1CV628	One	7/19/2002
1200004019	2001-1-012	1CV638	One	7/19/2002
1200005065	2001-1-012	1CV648	One	7/19/2002
1200101169	2001-1-017	1RV469	One	7/17/2002
0199902341	2001-1-017	1#EB6-1008,R5 & H30	Two	7/15/2002
1200002465	2001-1-027	1HVMS-101	Two	7/19/2002
1199900767	2001-1-020 2001-1-031a	1HVSI-425	Two	8/8/2002
1199900767	2001-1-031a	1#DC2-1003	Two	8/8/2002
1200103259	2001-1-0316	1PUMPRC11A(s)	One	7/31/2002
1200103239	2001-1-042	1#GC5-1008	Two	7/17/2002
1200002904	2001-1-047	1PUMPRC11B(s)	One	8/15/2002
		1HVRC-1180	One	7/19/2002
1200003048	2001-1-054	1#GC7-1003	Two	6/26/2002
1200104120	2001-1-056	1#EB-12	Two	8/9/2002
1200001173	2001-1-059a	1#EB-12	Two	8/8/2002
1200001173	2001-1-059b	1#EB-12 1#CC5-1003,A7	One	7/16/2002
1200103157	2001-1-060			8/9/2002
1200003361	2001-1-064a	1HVSI-709 1HVSI-710	One One	8/9/2002
1200003361	2001-1-064b		ļ. ———	7/19/2002
1200003361	2001-1-064c	1#CC14-1004	One	7/15/2002
1200100808	2001-1-069	1CV3938	Two	7/12/2002
1200100809	2001-1-070	1CV3939	Two	
1200103303	2001-1-072	1CKVFW-130	Two	7/18/2002 7/18/2002
1200101396	2001-1-075	1RV200	One	
1200101398	2001-1-076	1RV201	One	7/18/2002
1200101781	2001-1-077	1PZVRX11	One	7/18/2002
1200000999	2001-1-079	1CKVSI-114	Two	7/31/2002
1200000998	2001-1-080	1CKVSI-124	Two	7/12/2002
1200000997	2001-1-081	1CKVSI-144	Two	7/17/2002
1199802485	2001-1-082	1CKVSI-227	One	7/17/2002
1200103149	2001-1-083	1CKVSI-237	One	7/17/2002
1200103150	2001-1-084	1CKVSI-247	One	7/15/2002
1200002340	2002-1-002a	1CKVCVC-186	One	7/25/2002
1200002340	2002-1-002b	1#CC5-1004	One	7/19/2002
1200200048	2002-1-003	1#EB6-1007	Two	7/16/2002
1199804734	2002-1-009	1CKVFW-133	Two	8/8/2002
1200201261	2002-1-017	1SYS083	Two	7/19/2002
1200001375	2002-1-019a	1MOV4145	Two	8/8/2002
1200001375	2002-1-019c	1#HC3-1001,H13/R12	Two	8/8/2002
1200201762	2002-1-024	1CV4150	Two	7/18/2002
S199601526	SG-1-001a	1HXRC11	One & Two	8/5/2002
S199601526	SG-1-001b	1#CC-1	One	8/1/2002
S199601526	SG-1-001c	1#DB-1/EB-1, -5 & -6	Two	8/1/2002
S199601526	SG-1-001d	1#CC-9, 1" & under	One	8/1/2002
S199601526	SG-1-001e	1HXRC11SUP	One & Two	8/1/2002
S199601526	SG-1-002a	1HXRC12	One & Two	8/1/2002
S199601526	SG-1-002b	1#CC-1	One	8/1/2002
S199601526	SG-1-002c	1#DB-1/EB-1, -5 & -6	Two	8/2/2002
S199601526	SG-1-002d	1#CC-9, 1" & under	One	8/1/2002
S199601526	SG-1-002e	1HXRC12SUP	One & Two	8/1/2002
S199601526	SG-1-003	1#CC-9, 1" & under	One	8/1/2002
3199001320	100-1-000	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1, 2, & 3	6/21/2002

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

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

	1				1		,	,
1. Owner:	Calvert Cli	ffs Nuclear Po	wer Plant, I	Inc.	Date:	7/15/2002		· ,
1650 Calver	t Cliffs Parkway	•	20657		Sheet 1 of	2 .		
		(address)		., 2 ;	 Santa in the santa in		ره عنجيه م ي رسو .	
	°≔Calvert Cl	iffs Nuclear Pr	ower Plant		Unit:			ا چونان
2. Plant:		(name)		Tree a same analysis		Fast star t	the second of the second	The first of the same
1650 Calver	t Cliffs Parkway	, Lusby, MD	20657	R	&R No. 98-1	-186, MV	/O No. 11997	701954
	,	(address)	-			(P.O. n	o , job no , etc.)	
-	and the Column	t Cliffs Nuclea	r Dower Di	ant Dont	Type Coo	le Symbol S	Stamp: <u>N/A</u>	
3. Work Perfo	rmed by: Calver		al Fower, r.	ant Dept	Authoriza	ition No.:	N/A	
		(name)		•	Exp Date	: N/A		
1650 Calver	rt Cliffs Parkwa	y, Lusby, MD	20657		Section >	I Class:	One	_
		(address)	-		<del></del> `	:	K "	
4. Identification	on of System: Syst	em Number05	2 System	Name:	Safety Injec	tion		
				- , , , ,				
5 (a) Applicab	le Construction Cod	e and Class: A	SME B16.5,	1968 Ed	ition, Steel	Pipe Fla	nges and Fla	anged
		Fi	ttings NPS	1/2" thru	i 24" & CCa	se N-10		
(b) Applicab	le Sect XI Ed. for R	epairs/Replacemer	nt		199	8 Edition	)	
6 71 mig - 41-	on of Components R	anaired or Deples	ad and Deplace	ment Com	nonents:			
6. Identification	on of Components K	epaneu of Replace	ed and Replace	mem com	ponents.			ASME
		_			0.1	7.7	Repaired, Replaced, or	Code Stamped
Name of	Name of	Manufacturers	National	T.J	Other entification	Year Built		(Yes or No)
Componet	Manufacturer	Serial Number	Board No.	<u>, 10</u>	entification ,	, Dulli		
Valve	Velan Enginnering	SN: 0039	N/A		or Coolant Loop ction Inlet Check		5 Repaired/Repl aced	No No
Disc	Co. Velan Valve	404387 SN: 75	557 N/A		elan, 12 in. 1500		2002 Replacem	ent No
Disc	Corporation	404307 61117		🗼 Valve, A	ASME SA-182, T	p. F316,	•	
				Drwg. 1	2124-0001, item	#3		
7. Description	of Work:							
	as for rebuilding	1-CKVSI-217.	and replacin	g valve d	isc.		-	•
mo plan we	20 10. 1000			J				
8. Tests Cond	ucted: Hydrostatic	Pneumatic:	Nominal Opera	ating Pressure	. Inservice	] Leakage:[	Functional:	
0. 1000 0000	Pressure	A1/A	Test	Temperatu	re: <u>N/A</u>	Deg. F		
	1 1033410	· · · · · · · · · · · · · · · · · · ·		•		_		
NOTE: Sunt	nlemental sheets it	n form of lists, sk	cetches, or dra	awings ma	iv be used, pr	ovided (1)	size is 8-1/2 i	n. x 11 in.,

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

## FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance We certify that the statements made in this report are correct and that this 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 Engineering Technician Date: 7/15/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-11-02 to 6-26-02, 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.
Pobut Sausence Commissions: NB8226 ANT MD 644  Inspector's Signature National Board, State, and Endorsements
Date August 9, 200 Z

# 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 Powe	a Flair, ni	U	Date:	8/12/20	02.		
1. Owner	(n	ame)		- , ,	:		,		
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657		Sheet 1	of 2	_		-
	(a	ddress)			·		+ -		
2. Plant:	Calvert Cliff	s Nuclear Pow	er Plant	٠	Unit:	One	_		
Z. 1 lant	(n	iame)					~	w	*
1650 Calvert	Cliffs Parkway;	Lusby, MD 2	0657	∵ R	&R No. 200	0-1-077	a, MW	O No. 1200	001584
		iddress)					ono,job		
	Calvert	Cliffs Nuclear I	Power Plar	nt Dept	Ι	ode Symbo		<del></del>	
3. Work Perform	ned by.	name)			- Authori	zation No.	: <u>N/A</u>	ر با د مهرت	
	Oliff Dealers	Lucky MD 20	CE7	*	-	te: <u>N/A</u>	" ~	•	
1650 Calvert	Cliffs Parkway,	ddress) -	-		Section	XI Class:		ne .	
	•		Centom No		Chemical \	/olume	Contro	ol	. ,
4. Identification	of System: System	i Number 541	System 14a	·····				-	
					<b>-</b>	1/-1	1068 F	Edition. Mar	ch 1970
5.(a) Applicable	Construction Code a	and Class: _ASM Add	IE Draft Co ; Class On	de for le	Pumps &	vaives,	1900 L		
<u>.</u> .	Construction Code a Sect XI Ed. for Rep	Add	E Draft Co ; Class On	ide for	म <b>५</b> <b>३</b> ⊁ <sup>™</sup>	98 Editi	-	•	
(b) Applicable	Sect XI Ed. for Rep	Add;	; Class On	ie ·	19		-	•	ASME
(b) Applicable		Add;	; Class On	ie ·	19		on ,	Repaired,	ASME Code
<ul><li>(b) Applicable</li><li>6. Identification</li><li>Name of</li></ul>	Sect XI Ed. for Report of Components Rep	Add; airs/Replacement aired or Replaced a Manufacturers	and Replacem	ie ·	19 uponents:	98 Editi	on Year	Repaired, Replaced, or	ASME Code Stamped
<ul><li>(b) Applicable</li><li>6. Identification</li></ul>	Sect XI Ed. for Report of Components Rep	Add; airs/Replacement aired or Replaced a	; Class On	ie ·	19	98 Editi	on Year	Repaired,	ASME Code Stamped
<ul><li>(b) Applicable</li><li>6. Identification</li><li>Name of</li></ul>	Sect XI Ed. for Report of Components Rep	Add; airs/Replacement aired or Replaced a Manufacturers	and Replacem	ent Con	19 uponents:	98 Editi	on Year	Repaired, Replaced, or	ASME Code Stamped (Yes or No
<ul><li>(b) Applicable</li><li>6. Identification</li><li>Name of Componet</li></ul>	Sect XI Ed. for Report of Components Report Name of Manufacturer	Add airs/Replacement aired or Replaced a Manufacturers Serial Number	and Replacem  National  Board No.	#11 Revalve to Spray Valve, F316, 2	19 oponents: Other Identification	98 Editi On Check or Aux.	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No
(b) Applicable 6. Identification Name of Componet  Valve	Sect XI Ed. for Report of Components Report Name of Manufacturer  Bechtel  Velan Engineering Co.	Add airs/Replacement aired or Replaced a Manufacturers Serial Number 2091-N1 90585-GX SN:	nnd Replacem  National Board No.	#11 Revalve to Spray Valve, F316, 2	Other Identification gen. Heat Exch. o #11 Pressurize Check, 2 in. SA	98 Editi On Check or Aux.	Year Built	Repaired, Replaced, or Replacemen  Repaired/Replaced	ASME Code Stamped (Yes or No
(b) Applicable 6. Identification Name of Componet  Valve  Valve 7. Description of	Sect XI Ed. for Report of Components Report Name of Manufacturer  Bechtel  Velan Engineering Co.	Add; airs/Replacement aired or Replaced a Manufacturers Serial Number 2091-N1 90585-GX SN: 951037-2	National Board No.  N/A	#11 Revalve to Spray Valve, F316, 2 Dwg 12	Other Identification gen. Heat Exch. o #11 Pressurize Check, 2 in. SA 2680 lb.,Socketw	98 Editi On Check er Aux. -182, Tp eld, Velan	Year Built 1975	Repaired, Replaced, or Replacemen  Repaired/Repl aced  Replacement	ASME Code Stamped (Yes or No Yes
(b) Applicable  6. Identification  Name of Componet  Valve  Valve  7. Description of This plan was	Sect XI Ed. for Report of Components Report Name of Manufacturer  Bechtel  Velan Engineering Co.	Add; airs/Replacement aired or Replaced a  Manufacturers Serial Number  2091-N1  90585-GX SN: 951037-2	National Board No.  N/A	#11 Revalve to Spray Valve, F316, 2 Dwg 12	Other Identification gen. Heat Exch. o #11 Pressurize Check, 2 in. SA 2680 lb.,Socketw	98 Editi On Check er Aux. -182, Tp eld, Velan	Year Built 1975	Repaired, Replaced, or Replacemen  Repaired/Repl aced  Replacement	ASME Code Stamped (Yes or No Yes

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

## FORM NIS-2 (Back)

## 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147.

## Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance We certify that the statements made in this report are correct and that this 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 Engineering Technician Date: 8/12/2002
Certificate of Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-13-02 to 8-5-02, 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.
Robert Laurence Commissions: NB 8226 ANT, MD 647 Inspector's Signature National Board, State, and Endorsements
Date lugust 15,200 Z

Pg. 71.of .....

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

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三、二、二、文学等"特"。 注:	· · · · · · · · · · · · · · · · · · ·	معديدا ألا فالقيد يدله	The state of the s	Sample from the same of the same of the same
1. Manufactured as	nd certified by	VELAN INC 2125	WARD AVE MTT. CANA	חא
		. (name and address	of N Certificate Holder)	DA
2 Manufactured fo	or BALTIMORE GAS	r rrrrrr d	POV 1472 DAT MENO	
z. Mandractured I	OL BAHIIMORE GAS	& BUBCIRIC P.C	O BOX 14/2 BALTIMO	RE, MD. 21203
		(name and address	s or purchaser)	and the second of the second of the second
3. Tocation of in	stallion CALVERT CL	IFFS NUCLEAR PLA	NT NORTH OF LUSBY,	MD. 20657
المقاط المحمد الحال المحمد	نباست ومعد با	(name and address	s)	a se where a providing a se assessment construction of
	ies No., or Type: PS			
5. ASME Code, Sect	tion III, Division 1	1989	NONE 1	N/A
_		(edition)	(addenda date) (clas	s) (Code Case no )
6. Pump or valve _	VALVE Nominal	inlet size2	<u>"                                    </u>	2"
	est mar exist of	in the second of	1.)	(in.)
7. Material: Body	SA-182, F316 Bonne	t SA-182 F316	Disk COLMONOV 4	301 t in a - " N / N " " " " " " " " " " " " " " " "
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- (a) ·	(b)	- (0)	~ · · · (d) -	~ ~ ~/
Cert.		's Bodit	Bonnet	`(e)
Holder's			_	Disk
	Board	Serial	Serial 🥌	gg - gg - Serial - 🕸
Serial No.	No.:	No.	No.	'E' & No:
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951037-1	N/A	H/C: CH	<u> </u>	H/C: 2072
<u>951037-2</u>				H .
951037-3	\$ 2 m	et * 1		- " II
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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.

FORM NPV-1 (Back - Pg. 2 of 2 ) }
Certificate Holder Serial Ross 951037-
8. Design conditions 6430 psi 100 °F or valve pressure class 2680 (1 (pressure)
9. Cold working pressure 6430 psi at 100°F
10. Hydrostatic test 10050 psi. Disk differential test pressure 7375 ps
11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE
, CERTIFICATE OF DESIGN
Design Specification certified by <u>J.M. FARREL</u> P.E. State <u>OUE</u> Reg. no. <u>30039</u> Design report certified by <u>S. ISBITSKY</u> P.E. State <u>OUE</u> Reg. no. <u>22115</u>
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No. N-2797-1 Expires MAY 2,98  Date MAY 2 6 1995 Name VELAN INC. Signed (authorizes 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 OUEBEC and employed by PROVINCE of OUEBEC have inspected the pump, or valve, described in this Data Report on YY-10-Y , 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 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 95-03-26 signed from Commissions (Nat'l. Bd. (incl. endorsments) and
state or prov. and no.)

(1) For manually operated valves only.

RAYMOND LAUZON

(1)

RÉGIE DU BATIMENT DU QUÉBEC

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

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

:	,					*	,
1. Owner:	Calvert Cliffs	Nuclear Powe	r Plant, In	Date: 8/8/200	2		
7. O	(n	ame)		ر استان استان استان استان اس	and the second of the second o		ا زعمل
1650 Calvert	Cliffs Parkway;	Lusby, MD 20	657	Sheet 1 of 2		· · · · · · · · · · · · · · · · · · ·	
" Ver" .	(a	ddress)		•	-		
To the transfer of the state of	Calvert Cliff	s Nuclear Powe	er Plant 🏗	Unit: One		The same and the first of the control of the contro	
Z. Flam.	atomai, ui " isema apogr <sub>a</sub> (L	name) 🗥 🛷 🔭 🚎		الله من الله الله الله الله الله الله الله الل			a managing of E
1650 Calvert	Cliffs Parkway;	Lusby, MD 20	657	R&R No. 2000-1-104	, MWC	No. 120000	1460 😁
		iddress)		•		no, etc.)	
	Calvert	Cliffs Nuclear P	ower Plan	t Dept. Type Code Symbo	. · '" ~	an a gard had he had to the a second	
3. Work Perform	icu by	name)		Authorization No.	: <u>N/A</u>		
	•			Exp Date: N/A	_		
1650 Calvert	Cliffs Parkway,		557	Section XI Class:		ne	
4. Identification		address)  n Number 064	System Na	me: Reactor Coolant S	ystem	ماؤنی سب کوچ ماری پر کیا کوچ	
		-			_		
5. (a) Applicable	Construction Code	and Class: ASM	E B31.1.0	1967 Edition, CCases N	2, N-1	0	7 :45.
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement		1998 Editi	on 🔍	was our	
	of Components Rep	- nired or Penlaced as	nd Renlacem	ent Components:			ASME
6. Identification	of Components Kep	affect of Replaced a	na replacem	* (		Repaired,	Code
Name of	Name of	Manufacturers	National	Other		Replaced, or	Stamped
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen (	Yes or No
Valve	ITT Hammel Dahl	69-4126-001	N/A	# 11A Pressurizer Spray Control '	1975	Repaired/Repl	No
Bonnet	Flowserve	400322 SN; D909A-	N/A	Bonnet, Bellows, 3 in. 1500 lb.	2000	Replacement	No
Donnet	Corporation	1-2		ITT Hammel-Dahl Angle Valve, Drwg. #12121-0006, item #2		•	
Pipe Cap	DuBose National	10486-GX Heat	` N/A	Cap, Pipe, 1/2 in., 3000 lb. SW,	1996	Replacement	No
	Energy Services Inc.	Code: HTK		ASME SA-182, Tp. 316			
Plug	Neles Jamesbury	82350-GX Ht. #B7722H	N/A	Plug for 3 in. 1500 lb. ITT Hammel-Dahl Angle Valve, Drwg.	1993	Replacement	No
-	-	#D115211	•	#12121-0006, item #6	-	-	
<b></b>	CIV1						
7. Description o	for the rebuildin	a and replaceme	ant of the F	Sonnet and Plug on 1-CV-1	100E. v	which is #11A	
Pressurizer S	pray Control Val	ye.		ionnecana i lag on i ov	, , ,		
8. Tests Conduc	ted: Hydrostatic:	Pneumatic:	Jominal Operatii	ng Pressure· Inservice. Leakag	ge: 🔽 F	unctional: [	
o. Tests Conduc	Pressure:	2250 psi.	•	emperature: <u>530</u> Deg. F			
	riessule:	<u></u> psi.					
NOTE: Supple	emental sheets in f	orm of lists sketc	hes or draw	rings may be used, provided	(1) size	is 8-1/2 in. x	11 in.,

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

## FORM NIS-2 (Back)

## 9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

The state of the s		
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.		
and the second s		
Type Code Symbol Stamp: N/A : The Type Code Symbol Stamp:		
Certificate of Authorization No.: N/A Expiration Date: N/A		
Signed: Charles H. Ballard Engineering Technician Date: 8/8/2002		
Owner of Owner's Designee, Title    March   Ma		
ğ /		
Certificate of Inservice Inspection		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors		
and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the		
components described in this Owner's Report during the period 12-17-01 to 7-16-02, 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.		
Lobert Lawrence Commissions: NB8226AWI MD647		
Inspector's Signature Commissions: Whational Board, State, and Endorsements		
inspector's Signature		
Date luguet 9 200 Z		

# 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: 7/19/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)
2. Plant: Unit: One Toward Cliffs Nuclear Power Plant.
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2001-1-010, MWO No. 1200005063
(address) (P.O. no , job no., etc.)
3. Work Performed by:  Calvert Cliffs Nuclear Power Plant Dept.  (name)  Type Code Symbol Stamp: N/A  Authorization No.: N/A  Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657. Section XI Class: One
(address)  4. Identification of System: System Number 052 System Name: Safety Injection  5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components: ASME
Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No.
Valve ITT Hammel-Dahl H5624 N/A #11A Safety Injection Tank, 1974 Repaired/Repl No Reactor Safeguards Check Valve aced leakage drain CV to R.W.T.
Plug Assembly Flowserve 400322 Ht.#: 724770 N/A Plug & Stem Ass. 1 in. 1500 lb. 2000 Replacement No ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, item #6
7. Description of Work:  This plan was for the rebuilding of 1-CV-618, #11A Safety Injection Tank, Reactor Safeguards Check Valve leakage drain to R.W.T.
8. Tests Conducted: Hydrostatic. Pneumatic Nominal Operating Pressure: Inservice: Leakage. Functional Pressure: N/A psi. Test Temperature: N/A Deg. F

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

# FORM NIS-2 (Back)

## 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.		
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A		
Signed: Charles H. Ballard Engineering Technician Date: 7/19/2002		
Certificate of Inservice Inspection		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the		
components described in this Owner's Report during the period 12-10-01 to 5-29-02, 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.		
Pobert Javrepac Commissions: <u>NB8226 ANI MD647</u> Inspector's Signature National Board, State, and Endorsements		
Date: 125 200 Z		

## 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:7/19/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	The second of th
2. Plant: Calvert Cliffs Nuclear Power Plant (name)	Unit: One as we's a recommendation of
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&I	R No. 2001-1-011, MWO No. 1200005064
(address)	(P.O no, job no, etc)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)	Type Code Symbol Stamp: <u>N/A</u> Authorization No.: <u>N/A</u>
4050 Column Oliffo Doubuser Lineby MD 20057	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
(address)	afativ Injection
4. Identification of System: System Number System Name:	injection .
5.(a) Applicable Construction Code and Class: ASME B31.1.0 1967 Ec	lition, CCases N-2, N-10
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Compo	onents:  ASME, Repaired, Code
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No.	Other Year Replaced, or Stamped Identification Built Replacemen (Yes or No.)
Reactor Sa	ety Injection Tank, 1974 Repaired/Repl No afeguards Check Valve aced ain CV to R.W.T.
Corporation ITT Hami	em Ass. 1 in. 1500 lb. 2000 Replacement No mel-Dahl Unbalanced ve, Drwg. #12121-0013,
7. Description of Work:	
This plan was for the rebuilding of 1-CV-628, #11B Safety Injectic leakage drain to R.W.T.	on Tank, Reactor Safeguards Check Valve
8. Tests Conducted Hydrostatic Pneumatic Nominal Operating Pressure.  Pressure: N/A psi. Test Temperature	Inservice: Leakage: Functional: C : N/A Deg. F

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

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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  Charles H. Ballard  Engineering Technician  Date: 7/19/2002		
Certificate of Inservice Inspection		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the		
components described in this Owner's Report during the period 12-10-01 to 5-29-07, 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.		
Cobert Survey Commissions: NB 3226 ANI, MD 647 Inspector's Signature National Board, State, and Endorsements		
Date: / 25 200 Z		

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 7/19/2002
1. Owner: 1
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)
2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2001-1-012, MWO No. 1200004019
(address) (P.O no., job no., etc)
3. Work Performed by:  Calvert Cliffs Nuclear Power Plant Dept.  (name)  Type Code Symbol Stamp: N/A  Authorization No.: N/A  Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One
(address)
4. Identification of System: System Number 052 System Name: Safety Injection
5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10
(b) Applicable Sect XI Ed. for Repairs/Replacement
6. Identification of Components Repaired or Replaced and Replacement Components:  ASME Repaired, Code Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No.
Valve ITT Hammel-Dahl SN: 83839-005 N/A #12A Safety Injection Tank, 1974 Repaired/Repl No Reactor Safeguards Check Valve aced leakage drain CV to R.W.T.
Plug Assembly Flowserve 400322 Ht.#: 724770 N/A Plug & Stem Ass. 1 in. 1500 lb. 2000 Replacement No ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, Item #6
7. Description of Work:
This plan was for the rebuilding of the #12A Safety Injection Tank, Reactor Safeguards Check Valve leakage drain 1-CV-638 to R.W.T.
8. Tests Conducted: Hydrostatic: Pneumatic Nominal Operating Pressure: Inservice Leakage: Functional Pressure: N/A psi. Test Temperature: N/A Deg. F

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A		
Signed: Charles H. Ballard Engineering Technician Date: 7/19/2002		
Certificate of Inservice Inspection		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the		
components described in this Owner's Report during the period 12-10-01 to 5-29-02, 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.		
Pourt Wawterce Commissions: WB8226 ANI MD647 Inspector's Signature National Board, State, and Endorsements  Date: July 25, 2002		

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 (18 17 2 2 3 Sheet 1 of 2
(address)
Calvert Cliffs Nuclear Power Plant
2. Plant: (name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2001-1-013, MWO No. 1200005065
(PO. no, job no, etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.  (name)  Type Code Symbol Stamp: N/A  Authorization No.: N/A  Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One
(address) 4. Identification of System: System Number 052 System Name: Safety Injection 5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10
(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components:  Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No.
Valve ITT Hammel-Dahl 1-CV-648 N/A #12B Safety Injection Tank, 1974 Repaired/Repl No Reactor Safeguards Check Valve aced leakage drain CV to R.W.T.
Plug Assembly Flowserve 400322 Ht.#: 724770 N/A Plug & Stem Ass. 1 in. 1500 lb. 2000 Replacement No ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, item #6
7. Description of Work: This plan was for the rebuilding of 1-CV-648, #12B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain to R.W.T.
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure. Inservice: Leakage: Functional: Pressure: N/A psi. Test Temperature: N/A Deg. F

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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: 7/19/2002		
Certificate of Inservice Inspection		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the		
components described in this Owner's Report during the period 12-10-01 to 5-29-02, 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.		
Pobert Lawrence Commissions. NB8ZZC ANT MD647 Inspector's Signature National Board, State, and Endorsements  Date: Vuly ZS 2002		

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

•	
1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name)	Date: 7/17/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657	, Sheet 1 of 2
(address)	and apply the properties of the terms of the
2 Plant Calvert Cliffs Nuclear Power Plant	Unit: One
2. Plant: Caivert Cliffs Nuclear Power Plant (name)	Omi:
	No. 2001-1-017, MWO No. 1200101169
(address)	(P.O. no , job no., etc.) Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Authorization No.: N/A
(name)	
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Exp Date: N/A
(address)	Section XI Class: One
· _ ^-	fety Injection
4. Identification of System: System Number 052 System Name: Saf	ecty injection
5.(a) Applicable Construction Code and Class: ASME B&PV Code Sect.	. III, 1971 Edition, Class One
5.(a) Applicable Constitution Code and Class.	1
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Compon	nents: ASME Repaired, Code
Name of Name of Manufacturers National	Other Year Replaced, or Stamped
Componet Manufacturer Serial Number Board No. Ide	entification Built Replacemen (Yes or No)
turis every control entrol ent	Cooling Containment 1973 Repaired/Repl Yes Header Relief Valve aced
	of, Nozzle Type, 3/4 in. 2000 Replacement Yes
	e JR-WR-S Type B,
Unit#1	
7. Description of Work:	
This plan was for the replacement of 1-RV-469 which is the Shutdov	wn Cooling Containment Side Return
Header Relief Valve.	wir odding ddinamment diad Notam
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure:	Inservice: Leakage: Functional:
	83 Deg. F
Pressure: 4 psi. Test Temperature:	Dvg. 1

#### 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 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: 7/17/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 6-1-01 to 6-25-02, 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.
O
Lobert awrence Commissions: NB8226ANI MD647
Inspector's Signature National Board, State, and Endorsements
Date: July 17, 200 Z

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/15/2002
1. Owner:	Date:
1650 Calvert Cliffs Parkway; Lusby, MD 20657	
(address)	The state of the s
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	<del></del>
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2001-1-027, MWO No. 0199902341
(address)	(P.O no, job no, etc)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
(name)	Authorization No.: <u>N/A</u>
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Exp Date: <u>N/A</u> Section XI Class: <b>Two</b>
(address)	
4. Identification of System: System Number .083 System Name: Ma	in Steam & SG Blowdown
5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edi	tion, 1972 Add
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components	nents:
in the second of	
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No.	Other Year Replaced, or: Stamped
Pipe Support Bechtel 1#EB-6-1008,R5 & N/A #12 Steam Gen H30 Blowdown Pipl	
en e	The second secon
7. Description of Work:	
This Repair Plan was for the work that was required to correct a pro-	oblem that was dicovered between an as
built and an as analyzed state of 2"EB-6-1008, which is the #12 State Because of these findings, it was necessary for the supports at local	eam Generator Bottom Blowdown Piping.
match design doc.FSK-MP-0655 REV. 10.	ation 30 and location 3 be corrected to
·	
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure:	Inservice Leakage: Functional N/A
Pressure: <u>N/A</u> psi. Test Temperature:	<u>N/A</u> Deg. F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be	he used provided (1) size is 8-1/2 in v 11 in
(2) information in Items 1 through 6 on this report is included on each she	eet, 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.

Cartificate of Compliance
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: 7/15/2002 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 8-10-01 to 6-15-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Cobut Laurence Commissions: NB8226ANI M647 Inspector's Signature National Board, State, and Endorsements
16ately (15 / 6, 200 Z

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date:
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	Sheet 1 of 2
the state of the s	S. A. Carrier
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2001-1-028, MWO No. 1200002465
(address)	(P.O. no, job no, etc)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
(name)	Authorization No.: N/A
4070 Only of Oliffa Boulavey Luchy MD 20657	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
4. Identification of System: System Number 083 System Name: Ma	in Steam & SG Blowdown
4. Identification of System: System Number System Name:	The Country of Diovidenti
5. (a) Applicable Construction Code and Class: ASME Draft Code for Pu Add; Class Two, CCase  (b) Applicable Sect XI Ed. for Repairs/Replacement	imps & Valves, 1968 Edition, March 1970 1427 1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components	nents:  ASME Repaired, Code
	Other Year Replaced, or Stamped Built Replacemen (Yes or No)
Valve Velan Enginnering , 1268 N/A #11 Steam C Co. Atmospheri Isolation Va	le Dump Manual
1	
7. Description of Work: This plan was for the repair work to the steam cuts that were on the HVMS-101, #11 Steam Generator Atmospheric Dump Manual Isola	e sealing surfaces of the bonnet of 1- ation Valve.
8. Tests Conducted: Hydrostatic. Pneumatic Nominal Operating Pressure:  Pressure: 880 psi. Test Temperature:	ma.a

#### 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 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: 7/19/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 8-10-01 to 7-17-02, 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.
Pobut Wawterce Commissions: <u>NB 8226 ANI MD647</u> Inspector's Signature National Board, State, and Endorsements
Date: July 24 200 Z

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

1. Owner: Calvert Cl	ffs Nuclear-Power Plant, In	Date:8/8/2002	
1650 Calvert Cliffs Parkwa	an North Communication and the communication of the communication of the communication of the communication of	Sheet 1 of 2	
	(address)  liffs Nuclear Power Plant	Unit: WOne	
1650 Calvert Cliffs Parkwa	(name) y; Lusby, MD 20657	R&R No. 2001-1-031a, N	MWO No. 1199900767
1 5 5	(address)	•	, job no , etc )
3. Work Performed by: Calve	rt Cliffs Nuclear Power Pla	Type Code Symbol St Authorization No.: <u>N</u> Exp Date: <u>N/A</u>	· · · · · · · · · · · · · · · ·
1650 Calvert Cliffs Parkwa	y, Lusby, MD 20657	Section XI Class:	Two
-5. (a) Applicable Construction Co. (b) Applicable Sect XI Ed. for I	Repairs/Replacement	Code Sect. III, 1989 Edition, C	Class One
6. Identification of Components I  Name of Name of Componet Manufacturer	Repaired or Replaced and Replacen  Manufacturers National  Serial Number Board No.	Other	ASME Repaired, Code ear Replaced, or Stamped uilt Replacemen (Yes or No)
Valve Velan Enginnering Co. Globe valve Velan Engineeri Co.		#13 HPSI Pump Mini Flow 19 Isolation Valve Valve, Globe, 2 in, 1690 lb., ASME SA-182 Tp. F316, per Drawing 12968-0134, item 129.	91 Repaired/Repl Yes aced Yes
7. Description of Work:  This plan is for the replacen	nent of 1-HVSI 425, #13 HPS	SI Pump Mini Flow Isolation Va	ilve.
8. Tests Conducted: Hydrostatic Pressur	4000	ing Pressure: Inservice. Leakage. Fremperature: 82 Deg. F	Functional

#### 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 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: 8/8/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 10-24-01 to 7-17-02, 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.
Lobert Saurine Commissions: <u>JB8226 AJ2 MD647</u> Inspector's Signature National Board, State, and Endorsements
Date Quant 9, 200 Z

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

	Calvert Cliffs	s Nuclear Powe	r Plant, Inc	8/8/200	2	و المراجع المر المراجع المراجع	
1. Owner: 1		name)		Date.	1, -		in de la companya de La companya de la co
1650 Calvert C	liffs Parkway;	Lusby, MD 20	657	Sheet 1 of 2	ه ۳ آست ورو د	اها الله الله الله الله الله الله الله	DE LATER :
2. Plant:	. yar war a yangan en ji jiya	address) Is Nuclear Powe	er-Plant _	Unit: One		The second secon	و بها عمل المحلط و موسد بوسر و و ر
1650 Calvert C		Lusby, MD 20	0657	R&R No. 2001-1-031	b, MW	O No. 11999(	)0 <b>767</b>
1	., - , (	address)			). no., job		
3. Work Performe	Colvort	Cliffs Nuclear F	Power Plan	t Dept. Type Code Symbo		<u>N/A</u>	Janes of the Control
J. WOLK I CHOILE		name)	-1	Authorization No. Exp Date: N/A	: <u>IN/A</u>		
: 1650 Calvert C	Cliffs Parkwav.	Lusby, MD 206	657	Section XI Class:	. Tv	vo	
		address)	1		` , ,	- 15	
4. Identification of	of System: System	n Number 052	System Na	me: Safety Injection	·	<u> </u>	
	Construction Code		E B31.7- 1	969 Edition, Summer 197 1998 Edition		; Class Two	
6. Identification of Name of Componet	of Components Rep Name of Manufacturer	naired or Replaced a  Manufacturers  Serial Number	nd Replacem National Board No.	Other Identification	Year Built	Repaired,	ASME Code Stamped es or No
Piping System	Bechtel	2"DC-2-1003	-, N/A	#13 HPSI Pump Mini Flow piping	1975	Repaired/Repl aced	No
Pipe	Sandvik Steel Inc.	F-5630 Heat #49648	1 ` N/A ~	Pipe, 2 in. Sch. 80, Stainless Steel, SA-376, TP-304	1977	Replacement	No
Reducing Insert	Energy Services	54906-GX Heat Code: FTY	N/A	Reducer Insert, 2 in. X 1 in., 3000lb, Socketweld, SA-182, F304	1992	Replacement	No
Coupling	Inc. DuBose National Energy Services	54906-GX Heat Code: FUY	N/A	Coupling, 2 in., 3000 lb.,ASME SA-182, Tp. F304, Socketweld	1992	Replacement	No
	Inc.			, , , , , , , , , , , , , , , , , , ,	4°	, , , ,	* >
7. Description of This plan was Isolation Valve	for the support	work and materia	al needed t	o replace 1-HVSI 425, #13		Pump Mini Fl	ow
8. Tests Conduct	ed: Hydrostatic Pressure:	Pneumatic: N	Test To	ng Pressure: Inservice  Leakag emperature: <u>82</u> Deg. F	e: 🗸 🛭 F	unctional: 🗌	

#### 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147.

Applicable Manufacturer's Data Reports to be Attached
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 Engineering Technician  Owner or Owner's Designee, Title  Charles H. Ballard Engineering Technician  Date: 8/8/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 10-24-01 to 7-17-02, 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.
Robert W. Surveyer Commissions: WB 8226 ANI MD647 Inspector's Signature National Board, State, and Endorsements
Date Quegust 9 200 Z

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/31/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2 /
2. Plant: (address) (name)	Unit: One
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&F	R No. 2001-1-042, MWO No. 1200103259
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.  (name)  1650 Calvert Cliffs Parkway, Lusby, MD 20657	(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: Re  5. (a) Applicable Construction Code and Class: ASME B&PV Code Sec Class One  (b) Applicable Sect XI Ed. for Repairs/Replacement	eactor Coolant System  t. III, 1983 Edition, Summer 1983 Add;
6. Identification of Components Repaired or Replaced and Replacement Components  Name of Name of Manufacturers National  Componet Manufacturer Serial Number Board No.	onents:  ASME Repaired, Code Other Year Replaced, or Stamped Identification Built Replacemen (Yes or No
Inc. Mechanics Seal BGE CCNPP Shops 1199700104 SN: NB 1239 Seal, Cart	tridge Assembly (RCP) 2000 Replacement Yes Complete Sulzer per FCR 87-0074
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure:  Pressure: 2250 psi. Test Temperature	Inservice: Leakage: Functional:

#### 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.

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: 7/31/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 8-14-01 to 7-19-02, 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.
Robert Lawrence Commissions: <u>UB3226 NVI</u> NO 647 Inspector's Signature National Board, State, and Endorsements
Datelingust 16, 200 Z
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As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Ir	nc. Date: 7/17/2002
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	R&R No. 2001-1-047, MWO No. 1200002904
(address)	(P.O no, job no, etc)
2 Work Performed by: Calvert Cliffs Nuclear Power Pla	int Dept. Type Code Symbol Stamp: N/A
3. Work Performed by: (name)	Authorization No.: <u>N/A</u>
, ()	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
(address)	
4. Identification of System: System Number 052 System N	Name: Safety Injection
	Account Mills Comment of the Comment
5. (a) Applicable Construction Code and Class: ASME B31.7	1969 Edition, Summer 1971 Add; Class Two
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacer	ment Components: ASME Repaired, Code
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No	Other Year Replaced, or Stamped
	Other Year Replaced, or Stamped Built Replacemen (Yes or No.  Shutdown Cooling Header Vent 1975 Repaired/Repl No.
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A	Other Year Replaced, or Stamped Built Replacemen (Yes or No.  Shutdown Cooling Header Vent 1975 Repaired/Repl No.
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A  Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A	Other Year Replaced, or Stamped Replacemen (Yes or No. 1975 Repaired/Replaced)  Shutdown Cooling Header Vent Assembly Pipe, 2 in. Sch. 40, ASME SA-376, TP-304 Reducer, Insert, 2" X 3/4", ASME SA-182, F304, Socket Weld,
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A 3/4" Energy Services Inc. Tee, 2", SA-182 'DuBose National 54906-GX Ht# NN N/A Energy Services	Other Year Replaced, or Stamped Replacemen (Yes or No. Shutdown Cooling Header Vent Assembly  Pipe, 2 in. Sch. 40, ASME SA-376, TP-304  Reducer, Insert, 2" X 3/4", ASME 1995 Replacement No. SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ASME SA-182, F304, Socket Weld, #3000, Class 1,
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A Energy Services Inc.  Tee, 2", SA-182 DuBose National Energy Services Inc.	Other Identification  Shutdown Cooling Header Vent Assembly  Pipe, 2 in. Sch. 40, ASME SA-376, TP-304  Reducer, Insert, 2" X 3/4", ASME 1995  Replacement No SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A  Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A  Inc.  Tee, 2", SA-182 DuBose National Energy Services Inc.  7. Description of Work:	Other Identification  Shutdown Cooling Header Vent Assembly  Pipe, 2 in. Sch. 40, ASME SA-376, TP-304  Reducer, Insert, 2" X 3/4", ASME 1995  Replacement No SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  No Socket Weld, #3000, Class 1, ANSI B16.11
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A Energy Services Inc.  Tee, 2", SA-182 DuBose National Energy Services Inc.	Other Identification  Shutdown Cooling Header Vent Assembly  Pipe, 2 in. Sch.40, ASME SA-376, TP-304  Reducer, Insert, 2" X 3/4", ASME 1992  Reducer, Insert, 2" X 3/4", ASME 1992  Replacement No SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A 3/4" Energy Services Inc.  Tee, 2", SA-182 DuBose National Energy Services Inc.  7. Description of Work: This plan was for the installation of a new Shutdown Corporation of Samuel	Other Identification Built Replaced, or Stamped Replacemen (Yes or Not Replacemen (Yes or Not Assembly 1975 Repaired/Replacemen (Yes or Not 376, TP-304 Reducer, Insert, 2" X 3/4", ASME 1995 Replacement Not SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Toling Header Vent/Valve Assembly on the 2" GC-5-
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A 3/4" Energy Services Inc.  Tee, 2", SA-182 DuBose National 54906-GX Ht# NN N/A Energy Services Inc.  7. Description of Work: This plan was for the installation of a new Shutdown Cod 1008.  8. Tests Conducted: Hydrostatic. Pneumatic Nominal Operation	Other Identification Built Replaced, or Stamped Replacemen (Yes or Not Replacemen (Yes or Not Assembly 1975 Repaired/Replacemen (Yes or Not 376, TP-304 Reducer, Insert, 2" X 3/4", ASME 1995 Replacement Not SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Toling Header Vent/Valve Assembly on the 2" GC-5-
Componet Manufacturer Serial Number Board No  Piping System Bechtel 2"GC5-1008 N/A  Pipe Energy & Process 99883-GX Ht# N/A Corporation 438523  Reducer, 2" X DuBose National 54906-GX Ht# FNJ N/A 3/4" Energy Services Inc.  Tee, 2", SA-182 DuBose National 54906-GX Ht# NN N/A Energy Services Inc.  7. Description of Work: This plan was for the installation of a new Shutdown Cod 1008.  8. Tests Conducted: Hydrostatic. Pneumatic Nominal Operation	Other Identification Built Replaced, or Stamped Replacemen (Yes or Not Replacemen (Yes or Not Assembly 1975 Repaired/Repl Not aced 1996, 2 in. Sch. 40, ASME SA-1995 Replacement Not 376, TP-304 Reducer, Insert, 2" X 3/4", ASME 1992 Replacement Not SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11  Tee, 2", ASME SA-182, F304, 1992 Replacement Not Socket Weld, #3000, Class 1, ANSI B16.11  Toling Header Vent/Valve Assembly on the 2" GC-5-ting Pressure Inservice: Leakage Functional:

#### 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.

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 Expiration Date: N/A
Signed: Charles H. Ballard Engineering Technician  Date. 7/17/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 10-1-01 to 6-19-02, 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.
Lobert Lawrence Commissions: NB8226 ANT MD647 Inspector's Signature National Board, State, and Endorsements  Date: Quart 9 200 z

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

	ER THEFT IS TO SEE
1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date (name)	e: 8/15/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657	et 1 of 2 - /
2. Plant: Calvert Cliffs Nuclear Power Plant Uni	t: One
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No.	2001-1-049, MWO No. 1200003521
(address)	(P.O. no., job no, etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. Aut  (name) Exp	ne Code Symbol Stamp: <u>N/A</u> horization No.: <u>N/A</u> Date: <u>N/A</u> tion XI Class: <b>One</b>
(address)	tion XI Class: One
4. Identification of System: System Number 064 System Name: Reactor 5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1	r Coolant System 1983 Edition, Summer 1983 Add;
(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 Oth Componet Manufacturer Serial Number Board No. Identification	ASME Repaired, Code er Year Replaced, or Stamped
RCP Seal Sulzer Bingham 1C863 NB 1249 #11B Reactor Coo Inc. Mechanical Seal.  Seal BGE CCNPP Shops 0199602107 SN: N/A Seal, Cartridge As 1C870 875B-3V Complete Bingham per FCI	aced ssembly (RCP) 2001 Replacement Yes e Sulzer
7. Description of Work: This plan was for the replacement of the mechanical seal on #11B Read	ctor Coolant Pump.
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure Inserv Pressure: 2250 psi. Test Temperature: 53	vice: Leakage 🗹 Functional 🗌

#### 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.

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  Owner or Owner's Designee, Title  Charles H. Ballard  Engineering Technician  Date: 8/15/2002
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 9-20-01 to 7-16-02, 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 hable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Laurence Commissions: NB8226 ANI MD647 Inspector's Signature National Board, State, and Endorsements  Date Cugust 15 2002

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

1. Owner:	Calvert Cliffs Nuclear Power Plant, Inc.	Date:7/19/2002
-	(name)	the Contract
1650 Calvert Cli	iffs Parkway; -Lusby, MD 20657	- Sheet 1 of -2
45	(address)	The state of the s
2. Plant:	Calvert Cliffs Nuclear Power Plant	Unit: One
	(name)	
1650 Calvert Cli	iffs Parkway; Lusby, MD 20657	R&R No. 2001-1-054, MWO No. 1200003048
	(address)	(P.O. no., job no, etc.)
	hy. Calvert Cliffs Nuclear Power Plant D	ept. Type Code Symbol Stamp: N/A
3. Work Performed	by: (name)	Authorization No.: <u>N/A</u>
í - n	1 1	Exp Date: N/A
1650 Calvert Cl	iffs Parkway, Lusby, MD 20657	Section XI Class: One
* *	(address)	Day of the Control of
4. Identification of	System: System Number 064 System Name:	Reactor Coolant System
	Double Charles	-M-285A Small Stainless Steel Instrument
5. (a) Applicable Co	Instruction Code and Class: Bechtel Spec 6750  Gate, Globe & Che	
1		
(b) Applicable Se	ct XI Ed. for Repairs/Replacement	1998 Edition
Name of	Components Repaired or Replaced and Replacement ( Name of Manufacturers National Manufacturer Serial Number Board No.	Components:  Repaired, Code  Other Year Replaced, or Stamped  Identification Built Replacemen (Yes or No
1	Tool Co. 110 Baltimore Valve & 400172 N/A Va Fitting Co. 21	st Drain Valve off of 1-LT- 1975 Repaired/Repl No DX, wet side of #11 Pressurizer aced lve, Globe, 3/4 in. Whitey MK 2001 - Replacement No 00, ASTM A479 Tp 316, P/N:
•		NBS12GLESHW20W22, vagelok Comp. Ends
a v w	Andrew Art with the first the first term of the second control of the second control of	and the second s
7. Description of W	/ork:	4DO 4404 during unity of all the west older of #11
	r the replacement of 1-HVRC-1180 and 1-Hv rument 1-LT-110X.	VRC-1181, drain valves off of the wet side of #11
8. Tests Conducted	: Hydrostatic Pneumatic Nominal Operating Pre	ssure. Inservice. Leakage: Functional:
o. 15818 Conducted		
	Pressure: <u>N/A</u> psi. Test Tempo	
(2) information in	ental sheets in form of lists, sketches, or drawings Items 1 through 6 on this report is included on e is recorded at the top of this form.	s may be used, provided (1) size is 8-1/2 in. x 11 in., ach sheet, and (3) each sheet is numbered and the

### 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: 7/19/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 10-3-01 to 6-19-02, 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.
Lobut Lawrence Commissions: <u>JB8ZZCAWI</u> , MD647 Inspector's Signature National Board, State, and Endorsements  Date: July 24 2002

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.  Date: 6/26/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)
2. Plant: Calvert Cliffs Nuclear Power Plant Unit: One
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2001-1-056, MWO No. 1200104120
(address)  (P.O. no., job no , etc.)  Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.  Authorization No.: N/A
(name) Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: Two
(address)
4. Identification of System: System Number 052 System Name: Safety Injection
5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class Two
(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components:
6. Identification of Components Repaired of Replaced and Replacement Components.  Repaired, Code
Name of Name of Manufacturers National Other Year Replaced, or Stamped
Componet Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No)
Piping System Bechtel 2" GC-7-1003 N/A #11 Containment Spray Pump 1975 Repaired/Repl No Recirc, to refueling water tank aced
Nut DuBose National 404338 N/A Nut, Heavy Hex, 5/8 in. X 11 TPI, 2001 Replacement No Energy Services SA-194 Gr. 2H
Inc.  Rod Cardinal Ind. 88627-GX N/A Rod, Allthread, 5/8 in. X 11 TPI, 1994 Replacement No Products SA-193 Gr. B7
7. Description of Work:
This plan was for the replacement of fastener material for 1-FO-4146, which is the mini flow for #11 Containment Spray Pump.
<u> </u>
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure: Inservice: Leakage: Functional
Pressure: <u>N/A</u> psi. Test Temperature: <u>N/A</u> Deg. F

### 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  Charles H. Ballard  Engineering Technician  Date: 6/26/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 10-1-01 to 6-6-02, 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.
Robert Dawrence Commissions: NB 3226 AVI MB 647 Inspector's Signature National Board, State, and Endorsements
Date: July 18, 2002

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

					T 13.		
1. Owner:	Calvert Cliffs	s Nuclear Power	Plant, Inc.	Date:	8/9/2002		
ದ ಬಿ.ಬಿ.ಟಿ 1650 Calvert C	•	Lusby, MD 200	657	Sheet 1 of		, , , ,	
1030 Calvert C		address)		Sileet 1 of	~		
	-	s Nuclear Powe	្នាំ r Plant	· Unit:	One		
2. Plant:		name)				* ** **	
1650 Calvert C	liffs Parkway;	Lusby, MD 20	657	R&R No. 2001	-1-059a, MW	O No. 1200	001173
,	(	address)			(P.O. no , job	-	
3. Work Performe	d by: Calvert	Cliffs Nuclear Po	ower Plant	Dept. **	e Symbol Stamp tion No.: <u>N/A</u>		
		name)	1. 1.	Exp Date:	ı		-
1650 Calvert C	liffs Parkway,	Lusby, MD 206	57	Section X		vo	
,	(	address) . 14 m.			· · ·		
4. Identification o	f System: System	n Number <u>083</u>	System Nam	ie: <u>Main Steam</u>	& SG Blowd	own	·
5 (a) Applicable C	Construction Code	and Class: ASME	B31.7 196	69 Edition, Sumn	ner 1971 Add	i; Class Two	)
t E			5 d . d		B Edition		
(b) Applicable S	Sect XI Ed. for Rep	airs/Replacement	*-	1990	<u> </u>		
6. Identification o	f Components Rep	aired or Replaced an	d Replacemen	t Components:	1 6		ASME
	1			e · · · · · · · · · · · · · · · · · · ·	· ····································	Repaired, Replaced, or	Code Stamped
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Replacemen	-
			1		1075	, , , , , , , , , , , , , , , , , , ,	
Piping System	Bechtel	1-DR-5		Main Steam Piping and D between liner plate and M		Repaired/Repl aced	No
Elbow	DuBose National Energy Services Inc.	75187		Elbow, Pipe, 2 in. 90 deg. ASME SA-105	3000 lb. 2001	Replacement	· No
Pipe	Energy & Process Corporation	99883-GX Ht.#:		Pipe, 2 in. Sch. 80, ASME Gr. B	SA-106 1995	Replacement	No
Coupling	DuBose National Energy Services Inc.	54906-GX Ht Code: 026D & 073C		Coupling, 1-1/2 in., 3000 ASME SA-105, Socket W		Replacement	No
Half Coupling	Consolidated Power Supply	87523-GX Ht. Code: - 088F		Coupling Half, 2 in., 3000 ASME SA-105, Socket W		Replacement	No
Pipe	Tioga Pipe Supply Co. Inc.	404716 Ht.#: A02824		Pipe, 4 In. Sch. 40, Carbo ASME SA-106 Grade B	n Steel, 2001	Replacement	No
Pipe Cap	Tioga Pipe Supply Co. Inc.	404716 Ht#: LS4HA		Cap, Pipe, 4 in., Sch. 40, Buttweld, ASME SA-234 WPB	2001 , Gr.	Replacement	No
7. Description of	Work.						
This plan was f	or the replacen	nent of 1-DR-5, w EB-12-1023 and	hich is the I the piping to	ast drain pot that of 1-MOV-6611 is 2	comes off ups 2"EB-12-1024	stream of #1 I.	2
O Tosta Cambrida	ed: Hydrostatic:	Pneumatic: No	minal Operating I	Pressure Inservice:	Leakage <b>✓</b> Fi	unctional 🔲	
8. Tests Conducte	Pressure:	886 psi.	•		Deg. F	25(101.121	

#### 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  Owner or Owner's Designee, Title  Date: 8/9/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period //-8-01 to 7-17-02, 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.
Position with 1 2007

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

£1.\					- 1 - 2			
1. Owner:	Calvert Cliffs	Nuclear Power	Plant, Inc		Date: 8/8/200	2		<i>J.</i>
1. Owner.	(r	ame)		*	* **	, , ,		
1650 Calvert C	liffs Parkway;	Lusby, MD 200	657		Sheet 1 of 2		•	, ,
	(2	ddress) -	,, , ,	_1	·			
2. Plant:	Calvert Cliff	s Nuclear Powe	r Plant 🕝	*** == ***	Unit: One	Viene I ~		No alignation of the
2. Ham.	(r	name)	11.	- ;				
1650 Calvert C	liffs Parkway;	Lusby, MD 200	6 <b>5</b> 7	R&R	No. 2001-1-059	b, MW	Ó No. 1200	0001173
		address)			•	-	no , etc.)	
1	Calvert	Cliffs Nuclear Po	ower Plan	t Dept.	Type Code Symbo	•	: <u>N/A</u>	
3. Work Performe	u by	name)			Authorization No.	: <u>N/A</u>	•	
•	•	•			Exp Date: N/A	_		!
1650 Calvert C		Lusby, MD 206	57		Section XI Class:	TV	vo_	į
		address)	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Mai	n Steam & SG I	Rlowd	own	
4. Identification o	of System: Systen	Number 083	System Na	me: Iviai	ii oteaiii a oo i	<u> </u>	<u> </u>	
5 (a) Annligable (	Construction Code	and Class: ASME	B31:7 19	969 Editio	n, Summer 197	'1 Add	i; Class Tw	O
•		<del></del> -		•	•			
(b) Applicable S	Sect XI Ed. for Rep	airs/Replacement		<u>-</u>	1998 Editio	on _	-	• •
6. Identification of	of Components Rep	aired or Replaced an	d Replaceme	ent Compone	ents:	• *	** ***	ASME
`			4		*		Repaired,	Code
Name of	Name of	Manufacturers	National		Other		Replaced, or Replacemen	
Componet	Manufacturer	Serial Number	Board No.	· _ ; 1d	entification , , , .	Built	Replacemen	(105 01 140
Piping System	Bechtel	1-DR-6	√.N/A		Piping and Drains	1975	Repaired/Rep aced	l No
Elbow	DuBose National Energy Services Inc.	400430 Ht. Code: 75187	N/A	Elbow, Pipe ASME SA-1	, 2 in. 90 deg. 3000 lb. 05	2001	Replacement	No
Pipe	Energy & Process Corporation	99883-GX Ht.#: 40007	N/A	Pipe, 2 in. S Gr. B	ch. 80, ASME SA-106	1995	Replacement	No ;
Coupling	DuBose National Energy Services	54906-GX Ht Code: 026D & 073C	N/A		-1/2 In. , 3000 Lb., 105, Socket Weld	1992	Replacement	No
1	Inc.	87523-GX ~Ht. Code:		- Counling H	alf 2 in 3000 lb	. 1994 .	Replacement	No
Half Coupling	Consolidated Power Supply	088F	IVA	ASME SA-1	105, Socket Weld			
Pipe	Tioga Pipe Supply Co. Inc.	404716 Ht.#: A02824	N/A		ch. 40, Carbon Steel, 106 Grade B	2001	Replacement	No
Pipe Cap	Tioga Pipe Supply Co. Inc.	404716 Ht#: LS4HA	N/A		i in., Sch. 40, SME SA-234, Gr.	2001	Replacement	No
7. Description of	Work:							
This plan was	for the replacen	nent of 1-DR-6, w	hich is the	e last drain	pot that comes	off up	stream of #	11
MSIV. The dra	ain pot UEI is 4"	EB-12-1029 and	the piping	to 1-MOV	/-6612 is 2"EB-1	2-103	0.	
8. Tests Conduct	ed: Hydrostatic.	Pneumatic: No	ominal Operator	ng Pressure.	Inservice Leakag	e. 🗸 F	unctional [	
G. 10313 Conduct	Pressure:	886 psi.	-	emperature:	<u>529</u> Deg. F			
	11033410.	<u></u> pos.		-				

#### 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 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: 8/8/2002  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period //-8-01 to 7-17-02, 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.
Lobert Jamence Commissions: NB 8726 ANI MD647 Inspector's Signature National Board, State, and Endorsements
Date: Lugust 16, 2002

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

	1	,	*	- ,	4			. ~ .
	Calvert Cliffs	Nuclear Power F	Plant, Inc	; <b>.</b>	Date: 7/16/20	02		
1. Owner:		ame)					•	
1650 Calvert C	liffs Parkway;	Lusby, MD 206	57		Sheet 1 of 2	- Je	-	
1000		idress)	z.1',	, S	* * * * * * * * * * * * * * * * * * * *			. ,
- mt .	Calvert Cliffs	s Nuclear Power	Plant		Unit: One	· .		•
2. Plant:		ame)						
4650 Calvert C	liffs Parkwav:	Lusby, MD 206	57, _	R&R	No. 2001-1-060	, MWO	No. 12001	03157
1030 Gaivert		ddress)			*	. no., job i	. ,	
	Calvert (	Cliffs Nuclear Po	wer Plan	t Dept.	Type Code Symbo		<u>N/A</u>	^
3. Work Performe	u vy	ame)	-	<u></u>	Authorization No.	<u>IV/A</u>		
	uses Devloces	Luchy MD 2065	7 -		Exp Date: N/A Section XI Class:	- Or	 ne	* . * * * * *
1650 Calvert C		Lusby, MD 2065			4	·	*	•
. Ti-uiffenibe o	•		System Na	me: Ch	emical Volume	Contro	<u> </u>	,
4. Identification o	1 System. Bystom		•				01 0	_
5.(a) Applicable C	Construction Code a	and Class: ASME	B31.7 19	169 Editio	on, Summer 197	1 Add	; Class One	9
• -	Sect XI Ed. for Repa		1	-: · ·	1998 Editio	on		
6 Identification (	of Components Rep	aired or Replaced and	Replaceme	ent Compor	ients:			ASME
d. Identification :					-, 1		Repaired,	Code
Name of Componet	Name of Manufacturer	7. Very man	National Board No.	Id	Other lentification		Replaced, or Replacemen	
Pipe Support	Bechtel	2"CC-5-1003,A7	N/A	Anchor ser Aux. Spray Pressurizer	parating the Main and piping systems for #11	1975	Repaired/Repl aced	No
Plate 2	DuBose National Energy Services	400428 Ht.#: 1008823	N/A		3/8 In. ASME SA-36	~2001	Replacement	No .
Plate	Inc. DuBose National	400428 Ht.#:	N/A	Plate, Steel	i, 3/4 in. ASME SA-36	2001 :	Replacement	No
r late	Energy Services	D04009				. ~	` _ , <b>`</b>	- ~
Nut	Inc. Allied Nut & Bolt	18426-GX Ht. Code:	N/A	Nut, Heav	Hex, 1/2 In. X 13 TPI,	1996	Replacement	No .
	Co. Inc.	34557 Ht. Code:	N/A	SA-194 Gr Tube Steel	, Square, 4 In. X 4 In. X	1999	Replacement	No
Tube Steel	DuBose National Energy Services	B37679	•	1/4 ln.; AS	TM A-500 Grade B	***	` .	
1	Inc. "." Grinnell '>	- 79546-GX Ht.#	. N/A	Clamp, Pi	pe Anchor, 2 in. for PG-	1993	Replacement	`_`No
Pipe Clamp	Corporation	K5105	*	41 / PG-43 0571SH00	, per Drwg.# FSK-MP- 03 & 0005, Part# 1.			
Pipe Clamp	Grinnell	47477LNP	N/A	Clamp, Pi	pe Anchor Base, 2 in. / PG-43 per Drwg.#	1994	Replacement	No
Base	Corporation	and the second second	de Seer o designation A	FSK-MP-0	571SH0003 & 0005,		~	
Bolt	Cardinal Ind. Products	88627-GX	N/A	Part# 5. Bolt, Heavin. X 13 T. B7	y Hex. Head, 1/2 in. X PI, ASME SA-193, Gr.	1994	Replacement	No
Plate	DuBose National Energy Services Inc.	400428 Ht.# M06240	N/A		el, 1 in. ASME SA-36	2001	Replacement	No

This plan was to modify anchor 2"CC-5-1003,A7 so that it is strong enough to accommodate the new design Inade

<sup>7.</sup> Description of Work:

8. Tests Conducted: Hydrostatic   Pneumatical Nominal Operating Pressure: Inservice: Leakage: Functional: Pressure: N/A psi. Test Temperature: N/A Deg. F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 is (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.
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  Owner or Owner's Designee, Title  Charles H. Ballard  Date: 7/16/2002
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
Robert Laurence Commissions: WB8226 ANI MD647 Inspector's Signature National Board, State, and Endorsements
Date: 1200 Z

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

		No alaan Dawan F	lent Inc. ~	, e .	8/9/2002	
1. Owner:		Nuclear Power F	Tant, inc.	_ Date:	6/9/2002	
	•	ame)				
1650 Calvert		Lusby, MD 206	0/	Sheet 1 of	2	رونين مير موه دم ي
		ddress)*, * * * * * * * * * * * * * * * * * *	ومهددة وتهاري المراسية للمكور		,	المجماعة الإكبياء فالمسكاة
2. Plant:	_ Calvert Cliffs	s Nuclear Power	Plant	Unit:	One-	
	(n	ame)			_	
1650 Calvert	Cliffe Parkway:	Lusby, MD 206	57 R&	R No. 2001	-1-064a, MW	O No. 1200003361
1030 Calvert		ddress)	The East I was pre-		(PO. no , job	
-	<u>-</u>	•		Type Cod	e Symbol Stamp	: <u>N/A</u> ·
3. Work Perform	.ncu by	Cliffs Nuclear Por	wer Plant Dept.		tion No.: N/A	on rate to annual and
1		name)		Exp Date:	—	
1650 Calvert	Cliffs Parkway.	Lusby, MD 2065	7 ' - `	Section X		ne
		iddress)	<u> </u>	-		<del></del>
4. Identification	of System: System	Number 052	System Name: S	afety Inject	lion	TO THE THE AND A MEN OF THE
5. (a) Applicable	Construction Code a	and Class: ASME	B&PV Code Se	ct.·III, 1989	Edition, Clas	s One
	4 T 14 %					
(b) Applicable	Sect XI Ed. for Repa	airs/Replacement,	,	199	8 Edition	
	e Sect XI Ed. for Repa		Panlagement Comm		8 Edition	ACME
		airs/Replacement	Replacement Comp		8 Edition	ASME Code
6. Identification	n of Components Rep	aired or Replaced and		ponents:	10 , 10 0 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Repaired, Code
6. Identification	n of Components Repa	aired or Replaced and Manufacturers	Replacement Comp		Year	
6. Identification	n of Components Rep	aired or Replaced and  Manufacturers	National Board No.	Other Identification	Year Built	Repaired, Code Replaced, or Stamped Replacemen (Yes or N
6. Identification	n of Components Repa	aired or Replaced and Manufacturers	National Board No. N/A Shutdow	Other Identification	Year Built	Repaired, Code Replaced, or Stamped
6. Identification Name of Componet	Name of Manufacturer  BG & E	Manufacturers Serial Number  1-HVSI-709	National Board No.  N/A Shutdow Isolation	Other Identification On Cooling Heade	Year Built er First 2001	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Repl Yes
6. Identification Name of Componet	Name of Manufacturer  BG & E	aired or Replaced and  Manufacturers  Serial Number	National Board No.  N/A Shutdow Isolation N/A Valve, C ASME S	Other Identification On Cooling Header Drain Valve Gate, 3/4 in, 1690 GA-182 Tp. F316,	Year Built er First 2001 lb., 2001 per	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Repl aced
6. Identification Name of Componet	Name of Manufacturer  BG & E  Framatome ANP	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024-	National Board No.  N/A Shutdow Isolation N/A Valve, C ASME S	Other Identification On Cooling Header Drain Valve Gate, 3/4 in, 1690	Year Built er First 2001 lb., 2001 per	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Repl aced
Name of Componet  Valve  Gate Valve	Name of Manufacturer  BG & E  Framatome ANP Inc.	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024- 19	National Board No.  N/A Shutdow Isolation N/A Valve, O ASME S Drawing	Other Identification On Cooling Header Drain Valve Gate, 3/4 in, 1690 6A-182 Tp. F316, g 12968-0132, item	Year Built er First 2001 lb., 2001 per m 116.	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Replaced Replacement Yes
Name of Componet  Valve  Gate Valve	Name of Manufacturer  BG & E  Framatome ANP Inc.	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024- 19	National Board No.  N/A Shutdow Isolation N/A Valve, O ASME S Drawing	Other Identification On Cooling Header Drain Valve Gate, 3/4 in, 1690 6A-182 Tp. F316, g 12968-0132, item	Year Built er First 2001 lb., 2001 per m 116.	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Replaced Replacement Yes
Name of Componet  Valve  Gate Valve	Name of Manufacturer  BG & E  Framatome ANP Inc.  of Work: s for the modificat	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024- 19	National Board No.  N/A Shutdow Isolation N/A Valve, O ASME S Drawing	Other Identification On Cooling Header Drain Valve Gate, 3/4 in, 1690 6A-182 Tp. F316, g 12968-0132, item	Year Built er First 2001 lb., 2001 per m 116.	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Repl aced
Name of Componet  Valve  Gate Valve  7. Description This plan wa	Name of Manufacturer  BG & E  Framatome ANP Inc.  of Work: s for the modificat	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024- 19	National Board No.  N/A Shutdow Isolation N/A Valve, O ASME S Drawing	Other Identification On Cooling Header Drain Valve Gate, 3/4 in, 1690 6A-182 Tp. F316, g 12968-0132, item	Year Built  Pr First 2001  Ib., 2001  per m 116.  In the Shutdon	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Repl Yes aced Replacement Yes wn Cooling piping,
Name of Componet  Valve  Gate Valve  7. Description This plan wa 14"CC-14-10	Name of Manufacturer  BG & E  Framatome ANP Inc.  of Work: s for the modificat	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024- 19	National Board No.  N/A Shutdow Isolation N/A Valve, O ASME S Drawing	Other Identification Of Cooling Header Drain Valve Gate, 3/4 in, 1690 GA-182 Tp. F316, g 12968-0132, item HVSI-709, O	Year Built  Fr First 2001  Ib., 2001  per m 116.  In the Shutdon  Leakage: F	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Replaced Replacement Yes
Name of Componet  Valve  Gate Valve  7. Description This plan wa 14"CC-14-10	Name of Manufacturer  BG & E  Framatome ANP Inc.  of Work: s for the modificate 104.	Manufacturers Serial Number  1-HVSI-709  400425 SN:001024- 19	National Board No.  N/A Shutdow Isolation N/A Valve, G ASME S Drawing	Other Identification Of Cooling Heade Drain Valve Gate, 3/4 in, 1690 GA-182 Tp. F316, g 12968-0132, item HVSI-709, O	Year Built  Pr First 2001  Ib., 2001  per m 116.  In the Shutdon	Repaired, Code Replaced, or Stamped Replacemen (Yes or N  Repaired/Repl Yes aced Replacement Yes wn Cooling piping,

### 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
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: 8/9/2002  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 12-10-01 to 8-9-02, 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.
Lobut Lawrence Commissions: NB 8226 ANT MD647  Inspector's Signature National Board, State, and Endorsements
Date Rugust 9 200 Z

DATA PACKAGE NO. \_\_001024

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

-		(name and address o	ARD AVE, MONTREAL OURS	· ·
Manufactured for	OF FRAMATOME TECHN	OLOGIES 3315-A-OLD	FOREST RD. LYNCHBURG, V	A.USA 24501
	•	(name and address	of anyahanan)	
Location of in	stallion	N/A		
Yodel No. Com		(name and address		ميسو ، و مييو ما
moret wo'' ser	res No., or Type:	GATE Drawing P	1-76800-N22 Rev	CRN N/A
ASMR Code, Sec	tion TIT. Division	1989	377379	
a space to the force of				N/A
Pump or valve	VALUE Momin	al inlet size <u>%</u> 0	(addenda date) · (dass)	(Code Case no.)
	VADVIS NOMITI	•		
Material Rody	_SA-182,F316 Box	" (in.) "	(in.)	
minorant, boal,		MeCSA-102, F316	Disk SA-351,CF8M	Bolting SA-194.
(a)	(b)	- (c)	(d)	564,630H1100
Cert.	Natil	Body	Bonnet	(e) Disk
- Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
·				
001024-1	N/A	H/C:A-SV	H/C: FLF	H/C: TT
001024-2		A-SV	FLF	TT
001024-3			нвм	TT 5 s
001024-4		B-EB	#вм	TŢ.
001024-5		A-TV	FLF	TT
001024-6		A-TV	HBM	TT
001024-7		A-TV	FLF	· · · · · · · · · · · · · · · · · · ·
001024-9	***************************************	A-TV	EEO	TT
001024-10		<u> </u>		TT
001024-11		JAIJAI	HBM .	TT
001024-12	•	JAI	HBM · · · ·	Tri
-001024-13		JAT	HBM	TT
001024-14		JAI	·EEO ···	TT
001024-15		JAI	FLF	TT
001024-16	• • • • • • • • • • • • • • • • • • • •	JAI	HBM	TT
001024-17		JAI	HBM	TT
001024-18	12 82	JAI	HBM:	TT TO THE
001024-19	- <u></u>	JAI	FLF	·
001024-20	<u> </u>	JAI	PL.P	· · · · · · · · · · · · · · · · · · ·
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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.

FTI OP SUP PEG

PAGE 3 OF 31

FORT MPV-1 (Back - pg. 2 of2 )
Certificate Holder's Serial No. 001024
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. ISBUTSKY P. E. State QUE Reg. no. 40052
Design report certified by S. ISBITSKY P.E. State OUE Reg. no. 40052
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 SEP 2 6 2000 Name VELAN INC. Signed (authorized representative)
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
(1) For manually operated valves only.

PAGE 4 OF 31

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

Calvert Cliffs Nuclear Power Plant, Inc.	Data: 8/9/2002
1. Owner: Calver Cliffs Nuclear Fower Flatt, Inc.	Date:
1650 Calvert Cliffs Parkway; Lusby, MD 20657	
2. Plant: Calvert Cliffs Nuclear Power Plant	. Unit: 1. One of the control of the
2. Plant: (name)	
	No. 2001-1-064b, MWO No. 1200003361
(address)	(P.O no, job no, etc)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: (name)	Authorization No.: N/A
	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
(address)  4. Identification of System: System Number052 System Name:Safety Injection	
5.(a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1989 Edition, 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 Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No.	
. Valve BG & E 1-HVSI-710 N/A Shutdown Isolation D	Cooling Header Second 2001 Repaired/Repl Yes
Gate Valve Framatome ANP 400425 SN: 001024- N/A Valve, Gat	e, 3/4 in, 1690 lb., 2001 Replacement Yes -182 Tp. F316, per 2968-0132, item 116.
7. Description of Work:	\$ \$ = 1
This plan was for the modification to install a new drain valve, 1-H\ 14"CC-14-1004.	VSI-710, on the Shutdown Cooling piping,
8. Tests Conducted: Hydrostatic Pneumatic: Nominal Operating Pressure:  Pressure: N/A psi. Test Temperature:	Inservice Leakage: Functional :  : N/A Deg. F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may (2) information in Items 1 through 6 on this report is included on each sh	be used, provided (1) size is 8-1/2 in. x 11 in., eet, 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.

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  Charles H Ballard  Engineering Technician  Date: 8/9/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 12-10-01 to 8-9-02, 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.
Lolut Wawthee Commissions: WB8226 AVI MD647 Inspector's Signature National Board, State, and Endorsements
Dato Rugust 9 200 2

DATA PACKAGE NO. \_\_001024

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

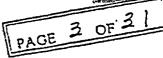
_	_	_	
Pa.	1	of	2

1. Manufactured an	d certified by	VELAN INC2125 W		BEC CANADA H4M1T6
7 Vanni Enghammed En		name and address of HNOLOGIES 3315-A OLD T	N Certificate Holder)	en ar de la fire de la figura de la fire
z Manuractured 10	F FRAMATUME TEC			VA.USA 24501
3. Location of ins	ha 172	(name and address o	of purchaser)	تيوان المستعصرا
s. mocacron of ins	cailion			<del></del>
4. Model No., Seri	es No.; or Type	(name and address)  : GATE Drawing Pl	-76800-N22 Rev	H CRN N/A
	•	on 1: 1989	with the same of the same of the same of	•
as the second of the second of the second	The second of the second of	(edition)	(addenda date) (class)	(Code Case no.)
6. Pump or valve _	VALVE Nom	inal inlet size _ % Ou	tlet size %	. (333 333,23)
		(in.)	(lar)	. سمت يا جه يو وه يوني
7. Material: Body.	SA-182.F316	• • •	` 7	_ Bolting SA-194.8M
· · · · · · · · · · · · · · · · · · ·		000000000000000000000000000000000000000		-564,630H1100
(a)	<b>(b)</b>	å ≥ (c) ≥	in the second	(e)-
Cert.	Natil	Body	Bonnet	Disk
Holder's	"Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
			, 2.00	
001024-1	~ N/A	H/C:A-SV	H/C: FLF	H/C: TT
001024-2		A-SV	FLF	TT
001024-3	•	λ-sv	нвм	TT
001024-4		B-EB	нвм	TT
001024-5	4	A-TV	FLF	TT
001024-6			HBM	TT
001024-7		A-TV	FLF	TT
001024-8		A-TV	EEO	TT
001024-9		A-TV	FLF	TT
001024-10		JAI	HBM	TT
001024-11		JAI	HBM	TT
001024-12	•	JAI	HBM	TT
001024-13-		JAT		TT
001024-14		JAI	·EEO	TT
001024-15	· · · · · · · · · · · · · · · · · · ·	JAI	PLF	a v grige
001024-16	· · · · · · · · · · · · · · · · · · ·	JAI	HBM .	
001024-17		JAT	HBM	- <u>11</u>
001024-18	Res Comments	JAT	HEM	TT
001024-19		JAI	FLF	TE STATE
001024-20	- * , * , . , . ,	JAI	PLF	TT · · ·
		#23428	**********	======== ,
				<del></del>
1.50	<u> </u>	The same of the same	,	

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

FTI OP SUP PEG



FORM NPV-1 (Back - Pg. 2 of2 )
Certificate Holder's Serial No. 001024
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 OUE Reg. no. 40052
Design report certified by S. ISBITSKY P.E. State OUE Reg. no. 40052
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
i
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 Repires MAY 2,2001
Date SEP 2 6 2000 Name VELAN INC. Signed Signed
(N Certificate Holder) (authorized representative)
(authorizes 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 OVEREC and employed by
in this Data Report on Junity his Daylond nave inspected the pump, or valve, described.
ASME Code, Section III, Division 1.
By signing this certificate, neither the inspector nor his employer makes any warrenty,
neither the inspector nor his employer shall be light of
or property damage or a loss of any kind arising from or connected with this inspection.
Date CO/09/28 signed Commissions OURBEC J. MARCHAND QC#8714
(Adthorized Inspector) (Nat'L Bd. (Incl. 1995 DARK THENT DU QUEREC
state or prov. and no.)
(1) For manually operated valves only.
· FII
OP SUF PAGE 4 OF 31
If $\overline{x}_{x}T_{x}\overline{y}\overline{y}_{x}$ $f$ $\overline{x}_{x}\overline{x}_{x}$

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

						-		<del></del>
	. Calvort Cliffo	Nuclear Power P	Plant Inc	45.* L	Date: 7/19/2	002	F . a h	ı
1. Owner:		me)	Tant, mo	·• ·	Date:	.002 ,		
1650 Calvert C	•	Lusby, MD · 2065	57		Sheet 1 of 🕰 .		ter ter	- *
		dress) ///\pilotaliania, a/m					to a series of the series of t	
A 701	_Calvert Cliffs	Nuclear Power	Plant	The second of th	Tinit One	,	And the second second of	
2. Plant:	(na	me)						
1650 Calvert C	liffs Parkway;	Lusby, MD 2065	57 3 3 4 5	R&R I	No. 2001-1-06	4c, MW	O No. 1200	003361
	fac	ldress)	• • •	•	~ ^ ^ '!" (F	O no , job	no etc.)	. 37334 _ 10 #
2 NV and Domforms	an Calvert C	Cliffs Nuclear Pov	ver Plant	t Dept.	Type Code Sym	bol Stamp	: <u>N/A</u>	
3. Work Performe	d by:	ımê)			-			
1650 Calvert C	liffs Parkway,	Lusby, MD 20657		ne ne s	Exp Date: N/A Section XI Class	-	, -	
	(ac	ldress)						_
4. Identification of	f System: System	Number <u>064</u>	System Nan	ne: Rea	ctor Coolant	<u>System</u>		
		nd Class: ASME	221-7 10	eo Editio	ń Śummer 19	971 Add	: Class On	e
5.(a) Applicable C	construction Code an	id Class: ASME I	201.7 10	- Luitio			, 0.000 0	
(b) Applicable S	ect XI Ed. for Repa	irs/Replacement	1. 1. 1.	tern t	1998 Edi	tion		
6. Identification o	f Components Repa	ired or Replaced and	Replaceme	nt Compone	ents:			ASME
1			*		*		Repaired,	Code
Name of	Name of		National	. r - Tala	Other	Year	Replaced, or Replacemen	· Stamped · (Yes or No
Componet	Manufacturer	Serial Number E	oaiu No.	· · · · · · ·		Duni	rtopiuoomon	(200 01 210
Piping System	Bechtel	CC14-1004	N/A	Shutdown Co Through Cor Valves	ooling Piping ntainment to Isolatio	1975 n	Repaired/Rep aced	No No
Pipe , ;	Tioga Pipe Supply	404796 Ht. #A30014	, -N/A	Pipe, 3/4 in. 376, TP-316	Sch 80, ASME SA-	2001	Replacement	No
Nut	Co. Inc.	23106 Trace Code:	N/A	Nut, Heavy I	lex, 3/8 in. X 16 TP		Replacement	No
Helf Coupling	Tioga Pipe Supply	Q58 20441-GX Heat	N/A		94 Gr. 2H alf, 3/4 in, 3000 Lb.,		Replacement	. No
Han Couping	Co Inc	Code: EEH	ing Tababa Manakana		82, Tp. F316, Socket		, -	
Anchor Clamp	Grinnell Corporation	85611-GX Heat Code: PL084	N/A	Clamp, Anci PG-41/42/43	or, 3/4 in. Part# 1 o on Drwg.# FSK-MI		Replacement	Ňo
Pass Clamp	Grinnell	54500-GX Heat =	<sup>23</sup> N/A · 3		, 0005 & 0006 raint Base, 3/4 in.	i991	Replacement	No
Base Clamp	Corporation	Code: PL-097			G-41/43 on Drwg.#	e se .		•
Bolt	Allied Group	41695 Ht. #: 63888	N/A		ead, 3/8 in. X 1 1/4 i SME SA-193, GrB7		Replacement	No No
Tube Steel	DuBose National Energy Services Inc.	400428 Ht.#: 843D68110	N/A		2 in. X 2 in. X 1/4 in		Replacement	No
Pipe Clamp	Anvil International Inc.	404967	N/A		, 14 in., Medium, . 212N, with Bolting	2001	Replacement	No
Tube Steel	DuBose National Energy Services Inc.	400428 Ht.# GF0413	N/A	Tube, Steel, ASTM A-50	3 in. X 3 in. X 1/4 in 0 Gr. B	., 2001	Replacement	No

#### 7. Description of Work:

This plan was for the new piping, fittings and hanger support material to be used on the modification to install a new set of drain valves, 1-HVSI-709 and 710, on the Shutdown Cooling piping, 14"CC-14-1004.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure: Inservice Leakage Functional
Pressure: N/A psi. Test Temperature: N/A Deg. F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 (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.
Applicable Manufacturer's Data Reports to be Attached
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: 7/19/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 12-10-01 to 8-9-02, 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.
Robert Warner Commissions: NB 8226 MAI MD 647 Inspector's Signature National Board, State, and Endorsements  Date: Current 9 2002
()

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

1. Owner:	Calvert Cliffs Nuclear Power Plant, Inc.	Date:
	(name)	
1650 Calvert	Cliffs Parkway; Lusby, MD .20657	Sheet 1 of 2
	(address)	Long the more than the same
2. Plant:	Calvert Cliffs Nuclear Power Plant	Unit: One
1 5	(name)	
1650 Calvert	Cliffs Parkway; Lusby, MD 20657 R&R	R No. 2001-1-069, MWO No. 1200100808
,	(address)	(P.O no, job no, etc.)
	med by: Calvert Cliffs Nuclear Power Plant Dept	Type Code Symbol Stamp: N/A
3. Work Perform	med by:	Authorization No.: <u>N/A</u>
,		Exp Date: N/A
1650 Calvert	Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
,	(address)	Sin Steam 2 SG Blowdown
4. Identification	of System: System Number; 083 System Name: Ma	ain Steam & SG Blowdown
- 4 3 4 44	ASME B16 5 1968 Editi	ion, Steel Pipe Flanges and Flanged
5.(a) Applicable	Construction Code and Class: ASME B16.5, 1968 Editi Fittings NPS 1/2" thru 2	24" & CCase N-10
		· ·
(b) Applicable	e Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification	n of Components Repaired or Replaced and Replacement Compo	nents:
<u> </u>		Repaired, Code
Name of	Name of Manufacturers National	Other Year Replaced, or Stamped
Componet	. I thing of " transmitted and a second	tification Built Replacement (Yes or No)
.'Valve	Copes Vulcan Inc. 7010-95030-1-1 N/A #11 Main Stea	
	Atmospheric I	
Plug Assemb		g Ass., Valve, 5 inch, 2002 Replacement No ess. retaining parts;
	Plug, #145	5380, Inner Plug #145381
7. Description of	of Work.	The state of the s
	s for rebuilding 1-CV-3938, Atmospheric dump Valve.	
This plan was	5 to resultating 1 of cooc, throughton samp	
8. Tests Condu	cted: Hydrostatic Pneumatic Nominal Operating Pressure:	Inservice: Leakage. Functional:
•	Pressure: N/A psi. Test Temperature	: <u>N/A</u> Deg. F
MOTE. C1	lamental abouts in form of lists, sketches, or drawings may	be used provided (1) size is 8-1/2 in, x 11 in.,

#### 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  Charles H. Ballard  Engineering Technician  Owner or Owner's Designee, Title  Charles H. Ballard  Engineering Technician  Date: 7/15/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boıler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-8-02 to 6-18-02, 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.
Robert Lawrence—Commissions: <u>UBBZZ6 AVI MD647</u> Inspector's Signature National Board, State, and Endorsements  Description 16, 200 Z
Decluzust 16, 200Z

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

1. Owner: Calv	ert Cliffs Nuclear Powe	er Plant, Inc.	Date: 7/12/2002	
1. Owner.	(name)		* , ,	
1650 Calvert Cliffs Pa	arkway; Lusby, MD 20		Sheet 1 of 2	
	(address)			
2. Plant: Calv	ert Cliffs Nuclear Pow	er Plant	Unit: One	
Z. Flant.	(name)	······································		
1650 Calvert Cliffs P	arkway; Lusby, MD 20	0657 R&F	R No. 2001-1-070, MWO N	* `
	(address)		(P.O. no , job no	
3. Work Performed by:	Calvert Cliffs Nuclear F	Power Plant Dept.	Type Code Symbol Stamp: 1	<u>√A</u>
3. Work Performed by.	(name)		Authorization No.: N/A	·
, , , , , , , , , , , , , , , , , , ,	The second secon	CE7	Exp Date: N/A	,
1650 Calvert Cliffs P	arkway, Lusby, MD 206 (address)	05/	Section XI Class: Two	
5. (a) Applicable Construct  (b) Applicable Sect XI F	ion Code and Class: ASM Fittir d. for Repairs/Replacement	E B16.5, 1968 Edit ngs NPS 1/2" thru 2	in Steam & SG Blowdov ion, Steel Pipe Flanges a 24" & CCase N-10 1998 Edition	nd Flanged
Name of Name of Componer Manufact		National (	Repai Other Year Repla	
7. Description of Work:	vulcan Inc. 402259 SN: 01-2 rebuilding of 1-CV-3939, rostatic: Pneumatic:	600lb., pr Plug, #145 Atmospheric dump Nominal Operating Pressure:	Dump Valve a g Ass., Valve, 5 inch, 2002 R ess. retaining parts; 380, Inner Plug #145381  Valve.  Inservice Leakage. Funct	red/Repl No ced No ced No ceplacement No ceplacement
:	Pressure: <u>N/A</u> psi.	Test Temperature	: <u>N/A</u> Deg. F	

#### 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: 7/12/2002 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-8-02 to 6-18-02, 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.
Pobat Wawtere Commissions: WB8226 ANI, MD647 Inspector's Signature National Board, State, and Endorsements
Date lugust 15, 200 Z

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

		(a alam	Dlant In	<b>,</b> ,	***************************************	00 *** * *	- j	
1. Owner:		Nuclear Power	Plant, in	<u>C.</u>	Date: 7/18/20	<u> </u>	-	, -
4050 0 - 1 4	`	name)	257					-
1650 Calvert		Lusby, MD 206	557		Sheet 1 of 2 1			
~	•	iddress)		4				
2. Plant:		s Nuclear Powe	r Plant		Unit: One	المنظول المنظو المنظول المنظول المنظو	<u> </u>	
}	(1	name)			<i>-</i> " - "	, J.,	51 1	
1650 Calvert	Cliffs Parkway;	Lusby, MD 206	557	R&R	No. 2001-1-072			3303
	(	address)		m.		no , job no ,	•	•
3. Work Perform	ed by: Calvert	Cliffs Nuclear Po	wer Plan	nt Dept.	Type Code Symbo		<u>/A</u> ·	Ţ
<i>5</i> ,  ,, oik i oiloin.		name)			Authorization No.:	<u>IN/A</u>		
1650 Calvart	Cliffe Barkway	Lusby, MD 2065	<b>57</b>	,	Exp Date: N/A Section XI Class:	Two	•	
1050 Calvert		address)			beetion XI Class.	- 1470	* `	
4 Identification	-	1 Number 045	System No	me Fee	edwater			
4. Identification	or Bystem Bystem	Trumioci ,	, bysicim i ii		• • >			· · · · · · · · · · · · · · · · · · ·
5.(a) Applicable	Construction Code	and Class: ASME	B31.1.0	1967 Edi	ition, 1972 Add			
(b) Applicable	Sect XI Ed. for Rep	airs/Replacement		· · .	1998 Editio	on ( ' ` ` ·		,,,
6. Identification	of Components Rep	aired or Replaced and	i Replacem	ent Compor	nents:	••	:	ASME
1	1 * 1 *		The Carlo	· . 1		Re	paired,	Code
Name of ,	Name of	Manufacturers	National	i ka ini	Other		placed, or	
Componet	Manufacturer	Serial Number	Board No.	Id	dentification	Built Re	placemen (	Yes or No
Valve	Rockwell International	SN: E5711-28	N/A	#12 Steam ( Supply Che	Generator Feedwater	1975 Re	epaired/Repi aced	y No
Screw		400813 Heat Code:	N/A	Screw, Hvy	Hex Hd,16 In. Check	2000 Re	placement	No
	* * /	1031		→Gr. B7,Drv	vards Fig. 970Y, A-193 vg.12399-0002/0022			,
	* * * * * * * * * * * * * * * * * * * *		+	Item #12	•			.,
Retainer	Edward Valves Inc.	12001 SN: 26970-3	N/A		linge Pin,16 in. Check ards Fig. 970Y, SA-	1997 Re	placement	No .
والمعارض المعوان	ryana mana tao kao	e a se a som som som som		_182, Gr. F1	1, Drwg.12399-0022			
<b>a</b> .	Edward Mant Malus	405740 Heat Codes	N/A	Item #13	ssure Seal, 16 in. Check	2002 Re	placement	No No
Cover	Co.	405740 Heat Code: 72355	IVA	Valve, A-21	16, Gr .WCB or SA- 11, Drwg.12399-0022	2002		•.•
				Item #5				
7. Description of								
This plan was Valve.	for the work tha	t was performed t	o 1-CKVF	FW-130, #	f12 Steam Gener	ator Feed	lwater Ch	eck
	. 1	Preumetic		- D	Imagenia: Tankan		onal 🗌	
8. Tests Conduc			minal Operatir		Inservice Leakage N/A Deg. F	runcti	onat 🔠	
	Pressure:	<u>N/A</u> psi.	1 est T	emperature:	N/A Deg. F			
NOTE: Supple	mental cheets in f	orm of lists sketch	es or draw	rings may l	he used provided (	1) size is 8	R-1/2 in. x	11 in

#### 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  Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Charles H. Ballard  Date: 7/18/2002  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-8-02 to 6-21-02, 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.
Lobert Warrence Commissions WBSZZC ANT, MOG47 Inspector's Signature National Board, State, and Endorsements
Date: //// 30 200 2

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date:
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	R No. 2001-1-075, MWO No. 1200101396
(address)	(P.O no, job no, etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A  Authorization No.: N/A
(name)	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
(address)	
,	actor Coolant System
4. Identification of Dystom. Dystom. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	
5.(a) Applicable Construction Code and Class: ASME B&PV Code Sect	. III, 1968 Edition, Winter 1968 Add; Class
A, CCases N-2, N-10	
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
	3
6. Identification of Components Repaired or Replaced and Replacement Compo	
	Repaired, Code
Name of Manufacturers National	Other Year Replaced, or Stamped dentification Built Replacemen (Yes or No)
Componet Manufacturer Serial Number Board No.	dentification Built Replacemen (100 of 100)
Valve Dresser Industrial SN: BM-07953 N/A Unit One P Valve Co. Relief Valv	Pressurizer Safety 1977 Repaired/Repl Yes
Relief Valve Dresser Industries 400078 SN: BN- N/A Valve, Cor	nsolidated Closed 2001 Replacement Yes
Inc. 04373 Bonnet Ma	axiflow Safety; 2-1/2 in. 39A, only for RV 200
,	
7. Description of Work:	
This plan was for the replacement of Unit-1 Pressurizer Safety Val	lve, 1-RV-200.
. —	· · · · · · · · · · · · · · · · · · ·
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure.	Inservice: Leakage: Functional
Pressure: <u>2250</u> psi. Test Temperature	: <u>530</u> 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.

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: <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: 7/18/2002
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
Date: Lely 31 2002

FORM NV	, R-1 REPORT OF	REPAIR 🔀 OF NUCLEA		DIFICATION JRE RELIEF	DEVICES	OR REPLA	CEMENT 🔀
1. Work performed by	Dresser Valve D	ivision; Dresser Ed	quipment Gro	up, Inc.	4		7420-0
1. Work policinica by	Intersection Hwy.	( name of on	ganization)		309	( P.O. no	., job no., etc )
2. Work performed for	Baltimore Gas	& Electric Co. 1650	Calvert Clif	fs Parkway Lu (name and address		d 20657	
3. Owner Baltimore	Gas & Electric Co.	1650 Calvert Cliff			20657		
			(1	ame)			
4. Name, address and 1650 Calvert Cliffs Par	identification of nuckway Lusby, Mary	clear power plant land 20657	( address ) Baltimore	Gas & Electric	: Co. Calvert	Cliffs Nuclear S	Station
5. a: Repaired press	ure relief device:	Safety Valve					
b: Name of manu	facturer Same a	s item 1 above	•				
c: Identifying nos.		BN-04373 (mfr's senal no.		N/A , Bd. No. )	STEAM (service)	2-1/2" (size)	1977 ( year built )
d: Construction C	(type) ode ASME Sec		1971	Summer 197		N/A	1
a: Construction C	( name/section		edition )	(addenda)		de case(s) )	( Code Class )
6. ASME Code Section	. Yl applicable for i	n service inspectio	in'	1983	Summe	r 1983	N/A
			(1	edition )	( adde	nda )	( Code Case(s) )
7. ASME Code Section	n XI used for repairs	s, modifications, o	r replacemer	ts: 198		Summer 1983 (addenda)	N/A (Code Case(s))
8. Construction Code	used for repairs, mo	difications, or repl	lacements:	1971	Su	mmer 1972	N/A
				( edition )		(addenda)	( Code Case(s) )
9. Design responsibilit	y Same as item	1 20000					
10. Opening pressure:	2485 PSIG	Blowdown (if app	olicable)	N/A	%. Set pr	essure and blo	wdown adjustment
made at: Wyle Lab	oratories, Huntsville	e, Alabama (location)			· 	Using .	Steam (test medium)
11. Description of work Seat Lapped, Assemb Adj. Ring Pin Gaskets	led, & Tested. Part	d identifying numb	er of replace e/Support Pl	ement parts) ate Gaskets P/	Valve Was D N 3831018N	isassembled, N , Cotter Pins P/	Nozzle Torqued, N 2220219, &
Adj. Ring Pin Gaskets	P/N 3010300.						
12. Remarks:							
I, /cr/ W. Correct and the repair Code and the Nationa	. modification or rep	, certify that to to lacement of the p	ressure relie	y knowledge a	nd belief the ibed above o	statements ma conforms to Sec	de in this report are ation XI of the ASME
National Board Certific	cate of Authorization	n No. <u>VR-70,95</u>	,97-118 & 12	20-124 to use	e the "VR" st	amp expires	6-29-2001
National Board Certific	cate of Authorization	n No. NF	R-45	to use the "Ni	R" stamp exp	oires	6-30-2002
Date 11-6-0		Item 1 above. ertificate holder)	Signed O	thorized representa	Barner tive)	<u> </u>	uality Engineer (tite)
Ra Dos		CERTIF	ICATE OF I	ISPECTION	National Re	pard of Boiler ar	nd Pressure Vessel
Inspectors and certific Hartford Steam Boiler described in this reporeplacement has been "NR" rules. By signing this certific modification or replacement for any persores.	Inspection and Institute on	issued by the juris urance Co. of of and st rdance with Section ersigned nor my earthis report. Furthe	diction of  Hartford, C ate that to the A on XI of the A employer ma rmore, neith	Louisiana T have insp e best of my ki ASME Code an kes any warran er the undersig sing from or con	ected the rep nowledge and the National ty, expresse ned nor my	pair, modification d belief, this repair al Board Inspect d or implied, co employer shall l	and employed by an or replacement pair, modification or ction Code "VR" and encerning the repair be liable in any

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/18/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
	No. 2001-1-076, MWO No. 1200101398
(address)	(P.O no., job no., etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A  Authorization No.: N/A  Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
	actor Coolant System
5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect A, CCases N-2, N-10	. III, 1968 Edition, Winter 1968 Add; Class
(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	nents:  Repaired, Code  Other Year Replaced, or Stamped dentification Built Replacemen (Yes or No
THE DECISE AND ADDRESS OF THE PARTY.	ressurizer Safety 1977 Repaired/Repl Yes
Relief Valve Dresser Industries 400743 SN: BM- N/A Valve, Con Inc. 07952 Bonnet Ma	isolidated Closed 2000 Replacement Yes ixiflow Safety; 2-1/2 In. 39A, only for RV 201
7. Description of Work:  This plan was for the replacement of Unit-1 Pressurizer Safety Val	ve, 1-RV-201.
8. Tests Conducted: Hydrostatic. Pneumatic: Nominal Operating Pressure: 2250 psi. Test Temperature:	Inservice: Leakage. Functional: 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.

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 or Owner's Designee, Title  Charles H. Ballard Engineering Technician Date: 7/18/2002
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
Lobut Lyaurence Commissions: NB 8226 ANI MD 647 Inspector's Signature National Board, State, and Endorsements
Date: July 30, 2002

FORM NVR-1 REPORT OF REPAIR MODIFICATION VUCLEAR PRESSURE RELIEF DEVICE	OR REPLACEMENT	₫
1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc.	400743 01-27388-1	
(name of organization) Intersection Hwy. 167 @ 3225 North, Alexandria, Louisiana 71309	(P.O. no, job no, etc)	
2 Work performed for Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Man	yland 20657	
( name and address )		
3. Owner Baltimore Gas & Electric Co. 1650 Calvert Cliffs Parkway Lusby, Maryland 20657 (name)		
(address)		
4. Name, address and identification of nuclear power plant 1650 Calvert Cliffs Parkway Lusby, Maryland 20657  Baltimore Gas & Electric Co. Cal	vert Cliffs Nuclear Station	
5. a: Repaired pressure relief device: Safety Valve		
b: Name of manufacturer Same as item 1 above	40	
c: Identifying nos. 31739A BM-07952, N/A STEAM		77 built)
(type) (mfr's senal no ) (Nat'l Bd. No ) (service	r) (size) (year N/A 1	bunt )
d: Construction Code ASME Section III 1971 Summer 1972 (name/section/division) (edition) (addenda)	( Code case(s) ) ( Code Class	)
A ASIME COME DECIDITY ADDITIONS OF THE OFFICE MEDITION OF THE OFFICE	mmer 1983 N/A	
7. ASME Code Section XI used for repairs, modifications, or replacements: 1983	addenda) (Code Case(s Summer 1983 N/A	<u> </u>
8. Construction Code used for repairs, modifications, or replacements: 1971	(addenda) (Code Ca Summer 1972 N/A	se(s))
(edition)	(addenda) (Code Cas	e(s) )
	et pressure and blowdown adjustn	nont
10. Opening pressure: 2550 PSIG Blowdown (if applicable) N/A %. Se	· _	HEIK
made at: Wyle Laboratories, Huntsville, Alabama (location)	Using Steam (test medium)	<del></del>
44 Description of work: (include name and identifying number of replacement parts) Valve W	as Disassembled, Nozzle Torque	<u>d,</u>
Seat Lapped, Assembled, & Tested. Parts Replaced: Guide/Support Plate Gaskets P/N 38310	118N, Cotter Pins P/N 2220219, &	<del></del>
Adj Ring Pin Gaskets P/N 3610508.		
12. Remarks:		
CERTIFICATE OF INSPECTION		
I, Terry W. Burnes, certify that to the best of my knowledge and belief Correct and the repair, modification or replacement of the pressure relief devices described about Code and the National Board Inspection Code "VR" and "NR" rules.	the statements made in this report ove conforms to Section XI of the A	rt are ASME
National Board Certificate of Authorization No. VR-70,95,97-118 & 120-124 to use the "VF	R" stamp expires 6-29-20	01
National Board Certificate of Authorization No. NR-45 to use the "NR" stamp	expires 6-30-2002	
Date //- 6-00 Same as Item 1 above. Signed Jew W Back (name of certificate holder)	Quality Enginee	r
Inspectors and certificate of competency issued by the jurisdiction of Louisiana  Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the described in this report on and state that to the best of my knowledge replacement has been completed in accordance with Section XI of the ASME Code and the Na "NR" rules.  By signing this certificate, neither the undersigned nor my employer makes any warranty, expression or replacement described in this report. Furthermore, neither the undersigned nor manner for any personal injury, property damage or loss of any kind grising from or connected.	e repair, modification or replaceme and belief, this repair, modification at the strength of t	ent on or and epair
Date ///6/00 Signed Schlester Commission		
Date 1000	(National Board (incl. endorsement	bs), and

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/18/2002:
1. Owner:	3.2.1435 47
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	and the second of the second o
2 Plant: Calvert Cliffs Nuclear Power Plant	Traile One To The Traile Traile
2. Plant: (name)	Unit: One
• •	No. 2001-1-077, MWO No. 1200101781
(address)	(P.O. no, job no., etc)
2 Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Chiris Nuclear 1 Ower 1 faint Sopti	Authorization No.: <u>N/A</u>
; (name)	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
	and the state of t
6. Identification of Components Repaired or Replaced and Replacement Components  Name of Name of Manufacturers National	
Lieganie Aegger Compagnon	Reactor Vessel and Head 1971 Repaired/Repl Yes
001 thru 009 12148-03,4	re Detection Seal, Dwg. 2001 Replacement No ASTM-A276, Ty316 SS
7. Description of Work: This plan was for the installation of dummy stainless steel ICI plug Instrumentation Flanges.	(s) into Unit #1 Reactor Vessel In Core
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure:  Pressure: 2250 psi. Test Temperature	Inservice: ☐ Leakage ✓ Functional. ☐  : 530 Deg. F

#### 9. Remarks:

A Section XI VT-1 Visual Examination of the replacement threaded fasteners was performed to satisfy
Section XI Pre-Service NDE Requirements. A Section XI System Leakage Test of the affected component
was performed during the system conditions listed in section 8. of this report.

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: 7/18/2002 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 1-4-02 to 7-9-02, 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.
Lobut Lawrence Commissions: <u>WB8226 ANI MD647</u> Inspector's Signature National Board, State, and Endorsements
Textingust 16, 2002

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/31/2002
1. Owner:(name)	The state of the s
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	The state of the s
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2001-1-079, MWO No. 1200000999
(address)	(P.O. no., job no, etc.)
2 Work Performed by Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Cliffs Nuclear Fower Frank Dept.	Authorization No.: <u>N/A</u>
	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
(address)	fotu Injection
4. Identification of System: System Number 052 System Name: Sa	fety Injection
	on, Steel Pipe Flanges and Flanged
Fittings NPS 1/2" thru 2	4" & CCase N=10 of the following in the first of the firs
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Compo	nents: ASME Repaired, Code
Name of Manufacturers National	Other Year Replaced, or Stamped
TABLE OF TABLE OF	dentification Built Replacemen (Yes or No
	Pressure Safety 1975 Repaired/Repl No Reactor Coolant Loop aced
Nut Nova Machine 38612 Heat Code: N/A Nut, Heavy	y Hex, 1 1/4 in. X 8 1999 Replacement No E SA-194 Gr. 7
Disc Velan Valve 405030 SN: 7569 N/A Disc, Velan	n, Item No. 3 Dwg. 2001 Replacement No
	2, SA-182 F-316 S.S. for 5001b. Check Valve
7. Description of Work:	by Prossure Safety Injection to Reactor
This plan was for the maintenance work on 1-CKVSI-114, #11A Lo Coolant Loop, replace valve disc and nuts.	ow Fressure Safety Injection to reactor
8. Tests Conducted: Hydrostatic Pneumatic: Nominal Operating Pressure:	Inservice: Leakage. Functional
O, 10313 Conductors.	A1/A =
Pressure: <u>N/A</u> psi. Test Temperature	

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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  Owner or Owner's Designee, Title  Charles H Ballard  Engineering Technician  Date: 7/31/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-21-02 to 7-19-02, 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.
Pobat Warrere Commissions: WB8226 ANT MD647 Inspector's Signature National Board, State, and Endorsements
Descuguet 16, 200Z

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/12/2002
1. Owner: (name)	Date:
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	a a se man so a
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&	R No. 2001-1-080, MWO No. 1200000998
(address)	(P.O. no, job no., etc.)
2 World Borformed hur Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Chiris Nuclear Fower Frank Dept.	Authorization No.: <u>N/A</u>
	Exp Date: <u>N/A</u>
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
(address)	
4. Identification of System: System Number 052 System Name: S	afety Injection
401F D40 F 4000 Fd	Alan Charl Dine Flanges and Flanged
5. (a) Applicable Construction Code and Class: ASME B16.5, 1968 Edi Fittings NPS 1/2" thru	tion, Steel Pipe Flanges and Flanged 24" & CCase N-10
	1998 Edition
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
1101110 01 1101110 01	ASME Repaired, Code Other Year Replaced, or Stamped entification Built Replacement (Yes or No)
AMILE ACTIVITY TO THE TABLE TO	ressure Safety 1975 Repaired/Repl Yes Reactor Coolant Loop aced
Nut Nova Machine 38612 Heat Code: N/A Nut, Hea	ivy Hex, 1 1/4 in. X 8 1999 Replacement No IME SA-194 Gr. 7
Rod Nova Machine 38454 Heat Code: N/A Rod, All	thread, 1 1/4 in. X 8 TPI, 1999 Replacement No A-193 Gr. B7
Trough and the second	thread, 1 1/4 in. X 8 TPI, 1998 Replacement No A-193 Gr. B7
Corporation 12124-00	lan, Item No. 3 Dwg. 2001 Replacement No 002, SA-182 F-316 S.S. for '/1500lb. Check Valve
7. Description of Works	
7. Description of Work:  This plan was for rebuilding 1-CKVSI-124, #11B Low Pressure S replacing valve disc and fasteners.	afety Injection to Reactor Coolant Loop, and
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure:	Inservice: Leakage: Functional
Pressure: <u>N/A</u> psi. Test Temperatur	N1/A
NOTE: Supplemental sheets in form of lists, sketches, or drawings ma	y be used, provided (1) size is 8-1/2 in. x 11 in.,

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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: <u>N/A</u> Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>
Signed: Charles H. Ballard Engineering Technician  Owner or Owner's Designee, Title  Charles H. Ballard Engineering Technician  Date: 7/12/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-21-0.2 to 6-19-02, 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.
Robert W Lawrence Commissions: NB8ZZG ANI MD647
Inspector's Signature National Board, State, and Endorsements
Date lugust 16, 200 Z

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/17/2002
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2 ···
(address)	به می میرسد چود است. او جاید در او این این این این این این این در این این این این این این این این در این این د ده
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	The second of the second of the second
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	R No. 2001-1-081, MWO No. 1200000997
, (address)	(P.O. no , job no., etc.)
2 Work Performed by Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: (name)	Authorization No.: <u>N/A</u>
ACTO O Level Oliffo Poularious Luchus MD 20057	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)	Section XI Class: Two
	fety Injection
4. Identification of System. System Number Bystem Number	
	on, Steel Pipe Flanges and Flanged
Fittings NPS 1/2" thru 2	4" & CCase N-10
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components	nents: ASME
	Repaired, Code
Name of Name of Manufacturers National  Componet Manufacturer Serial Number Board No. Id	Other Year Replaced, or Stamped dentification Built Replacemen (Yes or No)
Componet Manufacturer Serial Number Board No. Id	dentification Dunk Replacemen (146 of 146)
	Pressure Safety 1975 Repaired/Repl No Reactor Coolant Loop aced
Diac	n, Item No. 3 Dwg. 2001 Replacement No. 2, SA-182 F-316 S.S. for
	500lb. Check Valve
	• -
7. Description of World	•
7. Description of Work:  This plan was for the maintenance work on 1-CKVSI-144, #12B Lo	w Pressure Safety Injection to Reactor
This plan was for the maintenance work on 1-CKVSI-144, #12B Lo	w Pressure Safety Injection to Reactor
This plan was for the maintenance work on 1-CKVSI-144, #12B Lo Coolant Loop, replace valve disc.  8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure:	Inservice Leakage: Functional:
This plan was for the maintenance work on 1-CKVSI-144, #12B Lo Coolant Loop, replace valve disc.	Inservice Leakage: Functional:
This plan was for the maintenance work on 1-CKVSI-144, #12B Lo Coolant Loop, replace valve disc.  8. Tests Conducted: Hydrostatic  Pneumatic Nominal Operating Pressure:	Inservice Leakage: Functional: Dominal: Dominal: N/A Deg. F

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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: 7/17/2002						
Certificate of Inservice Inspection						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the						
components described in this Owner's Report during the period 2-21-02 to 6-26-02, 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.						
Robert Lawrence Commissions: N.38226 ANI MD647 Inspector's Signature National Board, State, and Endorsements  Date: July 17, 2002						

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/17/2002
1650 Calvert Cliffs Parkway; Lusby, MD_20657	-Sheet-1 of-2
(address)	and the second s
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	440000405
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2001-1-082, MWO No. 1199802485
(address)	(P.O. no., job no , etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: <u>N/A</u> Authorization No.: <u>N/A</u>
(name)	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
(address)	
4. Identification of System: System Number 052 System Name: Saf	fety Injection
5.(a) Applicable Construction Code and Class: ASME B16.5, 1968 Edition Fittings NPS 1/2" thru 2	on, Steel Pipe Flanges and Flanged 4" & CCase N-10
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components  Name of Name of Manufacturers National  Componet Manufacturer Serial Number Board No.	ASME Repaired, Code Other Year Replaced, or Stamped lentification Built Replacemen (Yes or No)
The state of the s	or Coolant Loop 1975 Repaired/Repl No
Disc Velan Valve 404387 SN: 7560 N/A Disc, Velan Valve, ASM	tion Inlet Check Valve aced , 12 in. 1500 lb. Check 2002 Replacement No IE SA-182, Tp. F316, 4-0001, Item #3
7. Description of Work:	At the state of the state of the
This plan was for the maintenance work on 1-CKVSI-227; replace v	valve disc.
8. Tests Conducted: Hydrostatic: Pneumatic Nominal Operating Pressure:	Inservice: Leakage Functional:
	NI/A
Pressure: <u>N/A</u> psi. Test Temperature:	<u>N/A</u> Deg. F

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

•					
We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.  Certificate of Compliance 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 or Owner's Designee, Title  Charles H. Ballard Engineering Technician  Date: 7/17/2002					
Certificate of Inservice Inspection					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the					
components described in this Owner's Report during the period 2-11-02 to 6-26-02, 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.					
Pobut Dawrence Commissions: <u>WB 8226 WI</u> , <u>MD 647</u> Inspector's Signature National Board, State, and Endorsements  Date: July 17, 200 Z					
// (/					

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date:
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	
2. Plant: Calvert Cliffs Nuclear Power Plant-	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&F	R No. 2001-1-083, MWO No. 1200103149
(address)	(P.O no., job no , etc )
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
(name)	Authorization No.: <u>N/A</u> Exp Date: <u>N/A</u>
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
(address)	
4. Identification of System: System Number 052 System Name: Sa	ifety Injection
ASME B16.5. 1968 Edit	ion, Steel Pipe Flanges and Flanged
5.(a) Applicable Construction Code and Class: ASME B16.5, 1968 Edit Fittings NPS 1/2" thru:	24" & CCase N-10
and the second of the second o	1998 Edition
(b) Applicable Sect XI Ed. for Repairs/Replacement	- 1990 Edition
6. Identification of Components Repaired or Replaced and Replacement Compo	onents: ASME
	Other Year Replaced, or Stamped
Name of Name of Manufacturers National  Combonet Manufacturer Serial Number Board No.	Other Year Replaced, of Stamped Identification Built Replacemen (Yes or No)
Componer ivialitization Berial Plantes	
Valve Vetan Dugimering	ctor Coolant Loop 1975 Repaired/Repl No ection Inlet Check Valve aced
Disc Velan Valve 404387 SN: 7561 N/A Disc, Vela	n, 12 in. 1500 lb. Check 2002 Replacement No
Corporation Valve, AS	ME SA-182, Tp. F316, 124-0001, item #3
Send Velon Engineering 10523-GX Heat N/A Stud, Cov	er, 1 7/8 in. X 8 TPI, 1995 - Replacement No
Co. Code: F3 ASME SA	193 Gr.B7, 12 in. 1500 Drwg. 12124-0001, item
#18	Cover. 1 7/8 in. X 8 - 1994 Replacement No
Co. Code: V50 TPI, SA-1	94 Gr7, 12 in., 1500 lb.
Check, Di #17	rwg. 12124-0001, item
"**	
7. Description of Work:	,
This plan was to cover maintenance work on 1-CKVSI-237; replace	ce valve disc and boiling.
8 Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure.	Inservice Leakage: Functional:
O. 1000 Conduction	A1/A
Pressure: <u>N/A</u> psi. 1est 1emperature	
	the word amounted (1) giggs is 9-1/2 in w 11 in

#### 9. Remarks:

A Section XI VT-1 Visual Examination of the "NEW" threaded fasteners was performed prior to installation to satisfy Section XI Pre-Service NDE Requirements. (LTP: 137800) The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.  Certificate of Compliance 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 or Owner's Designee, Title  Charles H. Ballard Engineering Technician  Date: 7/17/2002						
Certificate of Inservice Inspection						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the						
components described in this Owner's Report during the period 2-11-02 to 6-24-02, 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.						
Pobut Laurence Commissions: <u>NB 8 2 26 ANI MD 647</u> Inspector's Signature National Board, State, and Endorsements  Date: July 17 2002						

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. Date: 7/15/2002
1. Owner: Date:
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)
2. Plant: Unit: One
(name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2001-1-084, MWO No. 1200103150
(address) (P.O. no, job no, etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A  Authorization No.: N/A
Exp Date: <u>N/A</u>
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One
(address)
4. Identification of System: System Number 052 System Name: Safety Injection
5 (a) Applicable Construction Code and Class: ASME B16.5, 1968 Edition, Steel Pipe Flanges and Flanged
5.(a) Applicable Construction Code and Class: ASME B16.5, 1968 Edition, Steel Pipe Flanges and Flanged
Fittings NPS 1/2" thru 24" & CCase N-10
Fittings NPS 1/2", thru 24" & CCase N-10
Fittings NPS 1/2" thru 24" & CCase N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition
Fittings NPS 1/2" thru 24" & CCase N-10
Fittings NPS 1/2", thru 24" & CCase N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement  1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components:  ASME Repaired, Code
Fittings NPS 1/2", thru 24" & CCase N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement  1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components:  Repaired, Code  Name of Name of Manufacturers National Other Year Replaced, or Stamped (Vesser No.)
Fittings NPS 1/2", thru 24" & CCase N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement  1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components:  Repaired, Code Repaired, Stamped
Fittings NPS 1/2", thru 24" & CCase N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement  1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components:  Name of Name of Manufacturers National Other Year Replaced, or Code Stamped (Yes or No)  Valve Velan Enginnering 1-CKVSI-247 N/A #12B Reactor Coolant Loop 1975 Repaired/Repl No
Fittings NPS 1/2", thru 24" & CCase N-10  (b) Applicable Sect XI Ed. for Repairs/Replacement  1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components:  Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No)  Valve Velan Enginnering 1-CKVSI-247 N/A #12B Reactor Coolant Loop 1975 Repaired/Repl No
(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 Code Stamped (Yes or No)  Valve Velan Enginnering Co.  Disc Velan Valve Corporation  Disc Velan Valve Corporation  Fittings NPS 1/2" thru 24" & CCase N-10  1998 Edition  ASME Repaired, Code Stamped Replaced, or Stamped (Yes or No)  NA #12B Reactor Coolant Loop Safety Injection Inlet Check Valve accd Valve, ASME SA-182, Tp. F316, Drwg. 12124-0001, item #3
(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 Code Stamped (Yes or No)  Valve Velan Enginnering Co.  Disc Velan Valve Corporation  Disc Velan Valve Corporation  Disc Disc Disc Disc Disc Disc Disc Disc
(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 Code Stamped (Yes or No)  Valve Velan Enginnering Co.  Disc Velan Valve Corporation  Disc Velan Valve Corporation  The Name of Velan Valve Corporation  Disc Velan Valve Corporation  The Name of Manufacturer Serial Number Board No.  The Name of Manuf
Fittings NPS 1/2" thru 24" & CCase N-10
(b) Applicable Sect XI Ed. for Repairs/Replacement  1998 Edition  6. Identification of Components Repaired or Replaced and Replacement Components:  Name of Name of Manufacturers National Other Year Replaced, or Code Stamped (Yes or No)  Valve Velan Enginnering Co.  Disc Velan Valve Corporation  1-CKVSI-247 N/A #12B Reactor Coolant Loop Safety Injection Inlet Check Valve Corporation  No Disc Negative Ad4387 SN: 7558 N/A Disc Velan, 12 in. 1500 lb. Check Valve ASME SA-182, Tp. F316, Drwg. 12124-0001, Item #3  7. Description of Work:  This plan was for the replacement of the disc on 1-CKVSI-247, #12B Reactor Coolant Loop Safety Injection Inlet Check Valve.
Fittings NPS 1/2" thru 24" & CCase N-10

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

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  Charles H. Ballard					
Certificate of Authorization No.: N/A Expiration Date: N/A					
Charles H. Ballard					
Signed:Date:Date:Date:					
Certificate of Inservice Inspection					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the					
components described in this Owner's Report during the period 2-11-02 to 6-26-02, 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.					
Robert Dannerce Commissions: <u>UR8226 ANI</u> MD 647  Inspector's Signature National Board, State, and Endorsements					
Date: / 18, 2002					

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/25/2002
1. Owner: (name)	Date.
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
	Officer Cold Land Cold Cold Cold Cold Cold Cold Cold Col
(address)	5 ·
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2002-1-002a, MWO No. 1200002340
(address)	(P.O. no, job no, etc.)
Only of Cliffo Nuclear Bower Plant Bent	Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Authorization No.: N/A
(name)	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One
(address)	The state of the s
4. Identification of System: System Number 041 System Name: Ch	emical Volume Control
5. (a) Applicable Construction Code and Class: ASME Draft Code for Pu	umps & Valves, 1968 Edition, March 1970
Add; Class One	( )
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
(b) Applicable Sect At Ed. for Repairs/Replacement	e in a second of the second of the
6. Identification of Components Repaired or Replaced and Replacement Compo	nents: ASME
	Repaired, Code
Name of Manufacturers National	Other Year Replaced, or Stamped Built Replacemen (Yes or No)
Componet Manufacturer Serial Number Board No. I	dentification Built Replacemen (Yes or No)
Valve Bechtel SN: 2093 N/A #11 Regen. Valve to #1	Heat Exch. Check 1975 Repaired/Repl Yes 12B RCS Cold Leg Loop aced
Co. 961027-1 Weld, ASM	eck, 2 in. 2680 lb.,Butt 1996 Replacement Yes ME SA-182, Tp F316, g 12968-0138
the second of	The state of the s
7. Description of Work:	was the Heat Twebenger Chack Valve to
This plan was for the replacement of 1-CKVCVC-186, #11 Regene	erative Heat Exchanger Check valve to
#12B Reactor Coolant Loop.	
Promotion Notice Constitution	Inservice: Leakage: Functional .
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure	500
Pressure: 2250 psi. Test Temperature	Deg. 1

#### 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 rules of the ASME Code, Section XI.  Repair/Replacement conforms to the						
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  Charles H. Ballard  Engineering Technician  Date: 7/25/2002						
Certificate of Inservice Inspection						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the						
components described in this Owner's Report during the period 2-21-02 to 7-17-02, 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.						
Pobert Dawiere Commissions. NR 8226 ANT MAS 47 Inspector's Signature National Board, State, and Endorsements						
Date: / 11/2 25, 200 2						

DATA PACKAGE NO.

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				TOT DEDC!	ים י	' מידי	アスロロスコ	FOR	NUCLEAR	PUMPS	OR	VALVES	*	
?ORŁ	NPV-1	CERTI	FICATE	HOLDERS'	- 5	1.3.	» alte	Codo	Section	TTT.	Dir	vision	1	
Ag	Require	d by	the Pro	nonders	OI	спе	ASME	code	, Section	,			_	

		- Lighten	and the second		
. Manufactured and	certified by	VELAN INC. 2125 W. (name and address of	ARD AVE, MONTREAL N Certificate Holder)	CANADA H4M1T6	
. Manufactured for	BALTIMORE GAS	(name and address of	-BOX 1472 BALT	WD 20657	2 4 20 20 2
Location of insta	llion CALVERT CL	(name and address)	TWONORTH OF LOS	v D CRN	N/A
4. Model No., Series			NONE NONE	1 N	/A
5. ASME Code, Section	* · · · · · · · · · · · · · · · · · · ·	(edition)	(addenda date)	(class) (Code	Case no.)
6. Pump or valve			) isk SFA 5.13 RN	<u>iCr-A</u> Bolting _	<u>n/a</u>
7: Material: Body _3 _	7A-102,F310 Domic		· From the first in the	magnetic to the season of the	
(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial	No.	Di Ser	lo.
961027-1	N/A	H/C: B16	H/C: 1AR/	<u> </u>	
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7					

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.

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

Certificate Holder's Serial No. 961027	
3. Design conditions 6430 psi 100 °F or valve pressure class 2680 (1) (pressure) (temperature)  3. Cold working pressure 6430 psi at 100°F	
10. Hydrostatic test 10050 psi. Disk differential test pressure 7375 psi 11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE	
CERTIFICATE OF DESIGN  Design Specification certified by J.M. FARREL P.E. State OUE Reg. no. 30039 Design report certified by S. ISBITSKY P.E. State OUE Reg. no. 22115	
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No. N-2797-1 Expires MAY 2,98  Date May 3 / 96 Name VELAN INC. Signed (authorized representative)	
CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OUEBEC and employed by PROVINCE of OUEBEC have inspected the pump, or valve, described in this Data Report on 9005/03, 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 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 960503 signed be delice (Natl. Bd. (Incl. enforsments) and state or prov. and no.)	

<sup>(1)</sup> For manually operated valves only.

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

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1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/19/2002	
n. Owliet.		
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2	
(address)		
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One	
(name)		
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. 2002-1-002b, MWO No. 1200002340		
(address)	(P.O. no., job no, etc.)	
2 Work Berformed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A	
3. Work Performed by: Calvert Cliffs Nuclear Fower Flant Dept. (name)	Authorization No.: N/A	
(maine)	Exp Date: N/A	
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: One	
(address)	a la live Sala Salara	
4. Identification of System: System Number 041 System Name: Cho	emical Volume Control	
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		
(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 Componet Manufacturer Serial Number Board No. Identification of Components Repaired or Replaced and Replacement Repaired Replacement Replacement Repaired Replacement Replacem	nents:  ASME Repaired, Code Other Year Replaced, or Stamped lentification Built Replacemen (Yes or No)	
	Regen. Heat Exch. to 1975 Repaired/Repl No	
Pipe Consolidated 20439 Heat# 447 / N/A Pipe, 2 in. S Power Supply XBJ SA-376 Tp.		
7. Description of Work: This plan was for the replacement of piping during the replacement	2 3	
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure:  Pressure: 2250 psi. Test Temperature:	Inservice ☐ Leakage: ✓ Functional. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	

### 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.

그 사람들은 사람들이 가장 아이를 가장 하는 것이 되었다.
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: 7/19/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-21-02 to 7-17-02, 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
Lobert W Lawrence Commissions: WB 8226 AWI MD 647 Inspector's Signature National Board, State, and Endorsements
Date: July 25, 2002

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

					7
	Calvert Cliffs	Nuclear Power P	i lant. Ind	7/16/2002	t .
1. Owner:		ame)	,	Date:	
46E0 Cálváit Cl	•	Lusby, MD 2065	7	Sheet 1 of 2-	_
1030 Calvert Of		ddress)	,	<del>- The second of the second of</del>	
•	•	s Nuclear Power F	Plant	Unit: One	
2. Plant:		ame)		Oint.	
1650 Calvert Ci	•	Lusby, MD 2065	7	R&R No. 2002-1-003, MWO No. 1200200048	<u>,</u>
1000 0 2.110.13		ddress)		(P.O no., job no, etc.)	
,	Calvert (	Cliffs Nuclear Pow	er Plar	t Dept. Type Code Symbol Stamp: N/A	
3. Work Performed	1 Uy	ame)		Authorization 10.1. 11/11	
1070 0 1 1 1 1 0	ille Devloyens	Luchy MD 20657		Exp Date: N/A Section XI Class: Two	
1650 Calvert C		Lusby, MD 20657			
4 Identification of	System: System	Number 041 S	ystem Na	me: Chemical Volume Control	
_					
5.(a) Applicable C	onstruction Code a	and Class: ASME E	31.1.0	1967 Edition, 1972 Add	
(b) Applicable St	ect XI Ed. for Rep	airs/Replacement	1	1998 Edition	
• •				ent Components:	
6. Identification of	Components Rep	aired or Replaced and I	Xepiacem	ent Components: ASME Repaired, Code	
,		e o î atat	1	Other Year Replaced, or Stamped	đ,
Name of Componet M		Manufacturers National Nation	d No. 🦠	Identification Built Replacement (Yes or N	lo)
Piping System	Bechtel		l/A	#11 Steam Generator Bottom 1975 Repaired/Repl Blowdown to #11 Blowdown Tank aced	No
Nut	Mackson Inc.	406241 Ht. #Y67408	N/A		No
Pipe Clamp	Grinnell Corporation	79546-GX Ht. # 5105	N/A	Clamp, Pipe Anchor, 2 in. for PG- 1993 Replacement 41 / PG-43, per Drwg.# FSK-MP-	No
		47477LNP	N/A	0571SH0003 & 0005, Part# 1. Clamp, Pipe Anchor Base, 2 in. 1994 Replacement	No
Plpe Clamp Base	Grinnell Corporation	4/4//LM	IVA	for PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	
Bolt	Cardinal Ind. Products	88627-GX Heat Code: L7 A4	N/A		No
Tube Steel	DuBose National Energy Services	400428 Heat Code: 13594	N/A		No
Flat Bar	Inc. Energy Steel & Supply Co.	402888 Ht. #642767	N/A	Bar, Flat, 4 in. X 1/2 in., ASME 2001 Replacement SA-36	No
7. Description of	Work:				
This plan was	needed to corre	ect the Design defic	iencies	on Anchor #10 on line 1#EB-6-1007.	
8. Tests Conduct				NIG T LESSUITO LINE ALIAN DE LA CONTRACTOR DEL CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR	
	Pressure:	<u>N/A</u> psi.	162( )	Temperature: <u>N/A</u> Deg. F	

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

### 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 Date: 7/16/2002 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 Z-ZO-OZ to C-13-OZ, 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: NB8ZZ6ANI MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: \( \subseteq \( \begin{align*} \frac{18}{200}  \tag{2} \\ \end{align*} \]

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

1 0	Calvert Cliff	s Nuclear Powe	er Plant, in	Ċ.	Date: 8	/8/2002	r. 1.1.	
1. Owner:		(name)						
1650 Calvert	Cliffs Parkway	Lusby, MD 2	0657		Sheet 1 of 2		The second of th	
2. Plant:	17. A.	(address)	ا د داندهٔ مستورد و ال	- 1	Unit: \dist	One -		هماویده این است. هماویده این است. هم در در افرادی این از در هم در این امرادی این هماوی این امرادی این
	· -	(name)		To said the second	en man man ja	The second section with the second section sec	managed and the second of the	
1650 Calvert	Cliffs Parkway	Lusby, MD 2	0657	R&R I	No. 2002-	1-009; M	WO No. 11998	304734 📑
		(address)		<u>- 1</u> 1	· · · · · · · · · · · · · · · · · · ·	(P.O. no	, job no , etc.)	
	Calvert	Cliffs Nuclear I	Power Plai	nt Dépt.	Type Code	~~************ *	m 3- 1 Ac a 4 13	
3. Work Perform	incu by	(name)			Authorizat	7, ' - ~ - ~ ~  ̄	<u>√A</u>	
•	•				Exp Date:			. ,
1650 Calvert	Cliffs Parkway		657		Section XI	Class:	Two	
		(address)	o major samana (Mina) majorjina		• · · · · · · · · · · · · · · ·	وند وفيعه م	in the second of	
4. Identification	of System: Syste	m Number <u>045</u>	System N	ame: Fee	dwater **			
		1.01	E D24 4-0	1067 Edit	ion~1972	`Add ∈ <del>, .</del> .	۔ درور درور درور میں جو میں جو میں جو میں جو میں میں میں اور میں	1
5. (a) Applicable	Construction Code	and Class: ASIV	E B31.1.0	1907 Euit	1011, 1912	Auu		agent i
(b) Applicable	e Sect XI Ed. for Re	pairs/Replacement	^ *		1998	Edition		
6 Identification	n of Components Re	naired or Replaced a	and Replacem	ent Compone	ents:			ASME
o. Ideiminoano.	. or component of	4			•	, z :r	Repaired,	Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.		Other entification	S 4	Year Replaced, or Built Replacemen	
Valve	Rockwell International	025	N/A	#11 Steam Go Supply Check		lwater 19	775 Repaired/Rep	ol No
Screw		. 400813 Heat Code: 1031	N/A	Screw, Hvy I Valve, Edwa	Hex Hd,16 in. rds Fig. 970Y z.12399-0002/	, A-193	000 Replacement	No ,
7. Description of This plan was Generator Fe	of Work: s to allow the use eedwater Check	e of the part liste Valve.	d herein to	assist in th	e rebuildi	ng of 1-C	KVFW-133, #1	1 Steam
8. Tests Condu	cted: Hydrostatic	Pneumatic:	Nominal Operati	ng Pressure:	Inservice:	Leakage:	Functional:	
J. 19012 551144	Pressure:	<u>N/A</u> psi.	Test T	emperature:	<u>N/A</u>	Deg. F		
NOTE: Sunn	lemental sheets in	form of lists, sketc	hes, or dray	vings mav be	e used, pro	vided (1)	size is 8-1/2 in. 3	k 11 in.,

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.

We certify that the statements made in this report are correct and that this rules of the ASME Code, Section XI.  Certificate of Compliance 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 Engineering Technician Date: 8/8/2002  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 3-26-02 to 6-17-02, 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.
Robert Signature Commissions: <u>UB 8726 ANI MD 647</u> Inspector's Signature National Board, State, and Endorsements
Date: Jugust 9, 200 Z

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date: 7/19/2002
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
2. Plant: Calvert Cliffs Nuclear Power Plant (name)	Unit: One
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2002-1-017, MWO No. 1200201261
(address)  3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.  (name)  1650 Calvert Cliffs Parkway, Lusby, MD 20657  (address)  4. Identification of System: System Number083	(P.O. no, job no, etc.)  Type Code Symbol Stamp: N/A  Authorization No.: N/A  Exp Date: N/A  Section XI Class: Two  in Steam & SG Blowdown
5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition	on, Summer 1971 Add; Class Two
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components	nents:
Name of Name of Manufacturers National	ASME Repaired, Code Other Year Replaced, or Stamped lentification Built Replacemen (Yes or No
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Id  Pipe Support BG & E NA N/A Steam gene	Repaired, Code Other Year Replaced, oi Stamped lentification Built Replacemen (Yes or No rator bottom/surface 1975 Repaired/Repl No
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Identification of No. Ide	Repaired, Code Other Year Replaced, or Stamped lentification Built Replacemen (Yes or No rator bottom/surface 1975 Repaired/Repl No
Name of Name of Manufacturers National Board No. Identification of Manufacturer Serial Number Board No. Identification of Manufacturer Serial Number Board No. Identification of Manufacturer Serial Number Board No. Identification of Manufacturers National Board	Repaired, Code Other Year Replaced, oi Stamped lentification Built Replacemen (Yes or No rator bottom/surface 1975 Repaired/Repl No aced No
Name of Name of Manufacturers National Board No. Identification of Manufacturer Serial Number Board No. Identification of Manufacturer Serial Number Board No. Identification of Manufacturer Serial Number Board No. Identification of Manufacturers National Board No. Identification of Manufacturers No. A Steam general blowdown of Manufacturers No. A Plate, Steam general blowdown of Manufacturers No. A Plate, Steam general blowdown of Manufacturers No. A Plate, Steam general blowdown of Manufacturer Serial Number Board No. Identification of Manufacturers National Board No. Identification of Manufacturers No. A No. A Plate, Steel National Board No. Identification of Manufacturers No. A Plate No. A	Repaired, Code  Other Year Replaced, oi Stamped  Built Replacemen (Yes or No  rator bottom/surface gang support.  1/4 in. ASME SA-36  Repaired, Code  Replacemen (Yes or No  Repaired/Repl No  aced  Replacement No
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Identification of Manufacturers National Board No. Identification of National	Repaired, Code  Year Replaced, oi Stamped Replacemen (Yes or No  rator bottom/surface gang support.  1/4 in. ASME SA-36  2001 Replacement No  1/2 in. ASME SA-36  2001 Replacement No
Name of Name of Manufacturers Serial Number Board No.  Pipe Support BG & E NA N/A Steam gene blowdown go Plate DuBose National Energy Services Inc.  Plate DuBose National 400428 Ht.#: N/A Plate, Steel Energy Services 2107091  Inc.  Plate DuBose National 400428 Ht.#: D04009 N/A Plate, Steel Energy Services Inc.  Tube Steel DuBose National Energy Services Inc.  Tube Steel DuBose National Energy Services Inc.	Repaired, Code Nother Year Replaced, oi Stamped Replacemen (Yes or Nother Replacemen) Replacemen (Yes or Nother Replacemen) Replacemen (Yes or Nother Replacemen) Replacement Nother Rep

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.

We certify that the statements made in this report are correct a rules of the ASME Code, Section XI.	pliance ind that this Repair/Repla	cement conforms to the
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	<del>.</del>	;
Signed: Owner or Owner's Designee, Title	R.E. Cantrell Sr. Engineer	Date <u>7/19/2002</u>
Certificate of Inservice	Inspection	
I, the undersigned, holding a valid commission issued by the Natio and the State of Maryland and employed by Factory Mutual Insurance		
components described in this Owner's Report during the period best of my knowledge and belief, the Owner has performed examination Owner's Report in accordance with the requirements of the ASME Co By signing this certificate neither the Inspector nor his employ the examinations and corrective measures described in this Owner's Remployer shall be liable in any manner for any personal injury or proposition.	ons and taken corrective mede, Section XI. er makes any warrant, expreport. Furthermore, neither	and state to the easures described in this essed or implied, concerning refer the Inspector nor his
Lobert Dawrence Commissions:  Inspector's Signature  Date: Vule 24 200 2	National Board, State, a	MD647 and Endorsements

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 8/8/2002
1. Owner: (name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	<del></del>
2 Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
2. Plant: (name)	Oint.
1650 Calvert Cliffs Parkway; Lusby, MD 20657	R&R No. 2002-1-019a, MWO No. 1200001375
(address)	(P.O. no, job no., etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant D	Type Code Symbol Stamp: N/A Authorization No.: N/A
(name)	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
(address)	-
4. Identification of System: System Number 052 System Name:	Safety Injection
<b>'</b>	
5.(a) Applicable Construction Code and Class: ASME Draft Code	for Pumps & Valves, 1968 Edition, March 1970
Add; Class Two	1
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement	
	Repaired, Code Other Year Replaced, or Stamped
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No.	Identification Built Replacemen (Yes or No
Componer	
Co. Re	it #1 Containment Sump West 1975 Repaired/Repl Yes circulation Header Isolation aced
Rod Mackson Inc. 407499 Heat Code: N/A Ro	od, Allthread, 1 1/4 in. X 8 TPI, 2002 Replacement No
Str	rain Hardened
ATY	rt, Heavy Hex; 1 1/4 in. X 8 2002 Replacement 2No 2 PI, ASME SA-194 Gr. 8M, rain Hardened
7. Description of Work:	ement to rebuild 1-MOV-4145 Unit #1
This plan was to allow for all work, including fastener replace Containment Sump West Recirculation Header Isolation Valve	ve.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pro	A 1 4 A
Pressure: <u>N/A</u> psi. Test Temp	erature: <u>N/A</u> Deg. F

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

### 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  Owner or Owner's Designee, Title  Charles H. Ballard  Engineering Technician  Date: 8/8/2002
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
Robert Commissions: NB8226ANI MD647 Inspectors Signature National Board, State, and Endorsements
Date: Quart 15, 2002
//

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date:8/8/2002
(name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
2. Plant: Calvert Cliffs Nuclear Power Plant (name)	Unit: One
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2002-1-019c, MWO No. 1200001375
(address)  3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.  (name)  1650 Calvert Cliffs Parkway, Lusby, MD 20657	(P.O. no, job no, etc.)  Type Code Symbol Stamp: N/A  Authorization No.: N/A  Exp Date: N/A  Section XI Class: Two
(address)  4. Identification of System: System Number 052 System Name: Sat 5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition	fety Injection
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturers National Componet Manufacturer Serial Number Board No. Identification of Components Repaired or Replaced and Replacement Components Repaired Replacement Replacement Replacement Repaired Replacement Replac	nents:  Repaired, Code  Other Year Replaced, or Stamped dentification Built Replacemen (Yes or No
Pipe Support Bechtel 24"HC-3- N/A Unit #1 Con 1001,H13/R12 Recirculation	ntainment Sump West 1975 Repaired/Repl No on Header Support aced
7. Description of Work: This plan was for the work on 24"HC-3-1001, H13 / R12, Unit #1 C Header Support. A portion of the support was removed to allow for reinstalled.	Containment Sump West Recirculation or X-rays of the Encapsulation then
8. Tests Conducted: Hydrostatic Pneumatic: Nominal Operating Pressure  Pressure: N/A psi. Test Temperature:	Inservice. Leakage Functional.  M/A Deg. F

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

### 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 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 Engineering Technician Date: 8/8/2002  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 5-7-02 to 8-5-02, 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.
Robert Wawner Commissions: <u>NB &amp; Z Z 6 ANI MD 647</u> Inspector's Signature National Board, State, and Endorsements
Date l'engust 15, 200 Z

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

Out and Oliffo Number Plant Inc.	
1. Owner: Calvert Cliffs Nuclear Power Plant, Inc.	Date:
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	and the control of th
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. 2002-1-024, MWO No. 1200201762
(address)	(P.O. no., job no., etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: (name)	Authorization No.: N/A
The second secon	Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two
(address)	
4. Identification of System: System Number 061 System Name: Col	ntainment Spray
ASME Droft Code for Bu	ımps & Valves, 1968 Edition, March`1970
5. (a) Applicable Construction Code and Class: ASME Draft Code for Pu	Timps & Valves, 1900 Edition, match 1970
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components	nents:
	Repaired, Code
Name of Manufacturers National	Other Year Replaced, or Stamped
Componet Manufacturer Serial Number Board No. Id	lentification Built Replacemen (Yes or No
Valve Masoneilan H-59104-5 N/A #11 Contain International Inc. Isolation Va	nment Spray Header 1975 Repaired/Repl No alve
	Masoneilan Valve, 1990 Replacement No 79, Tp. 316, P/N: -1N3
	and the second second
7. Description of Work:	and a ladation Valva
This plan was for rebuilding 1-CV-4150, #11 Containment Spray He	eauel isolation valve.
8. Tests Conducted: Hydrostatic Pneumatic: Nominal Operating Pressure	Inservice Leakage Functional
NI/A Total Townson Street	
Pressure: <u>N/A</u> psi. 1 est 1 emperature:	

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 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 or Owner's Designee, Title  Charles H. Ballard Engineering Technician  Date: 7/18/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boıler 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 S-26-02 to 6-21-02, 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.
Lobert Laurence Commissions: NB 8226 ANI MD 647 Inspector's Signature National Board, State, and Endorsements  Date: Yelly 30, 2002

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 8/5/2002
1. Owner: (name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
	Silver to 2
(address)	
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
(name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657. R&R	No. SG-1-001a, ESP No. ES199601526
(address)	(P.O. no, job no., etc)
• • •	Type Code Symbol Stamp: N/A
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Authorization No.: N/A
(name)	Exp Date: 1 N/A
4050 October Oliffe Deliforovii Luchy MD 20657	Section XI Class: One & Two
1650 Calvert Cliffs Parkway, Lusby, MD 20657	
(address)	eam Generator Replacement
4. Identification of System: System Number 64/83 System Name: Ste	eath Generator Replacement
A CME DODY Code Sect	. III, 1965 Edition, Winter 1967 Add; Class
5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect.  A CCases: 1332-2, 1332	
A Codses. 1992-2, 1992	
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Components	nents: ASME
	Other Year Replaced, or Stamped
Name of Name of Manufacturers National	Other Year Replaced, or Stamped Built Replacemen (Yes or No)
Componet Manufacturer Serial Number Board No.	dentinication 4455 Built Replacemen (2 to 5 to 5)
Pressure Vessel Combustion CE 67504 20922 #11 Steam	
Engineering	aced
Steam Bacter & Government of Accombly	erator Lower 2001 Replacement Yes Primary Side Head,
	Secondary Shell up to
Transition	in a del mallom i di
The state of the s	The section to the same that the second to the second
7. Description of Work: This plan was for the replacement of the primary side head, tubes,	and secondary side shell up to the
transition area of #11 Steam Generator. This also documents the	reconfiguration of the Feed Nozzle and
transition area of #11 Steam Generator. This also documents the	Tooling and all of the tool of
Surface Blowdown Nozzle.	
Presumatical Naminal Operating Pressures	Inservice: Leakage: Functional:
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure:  Pressure: 890 psi. Test Temperature:	1532 Deg F 1532
Pressure: 890 psi. 1est l'emperature:	The Social Control of
NOTE: Supplemental sheets in form of lists, sketches, or drawings may l	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 she	eet, 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. 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. A Section XI Surface Examination, Eddy Current Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to use the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

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: 8/5/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-11-02 to 7-10-02, 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.
Cobut W Survey Commissions: NB 8 ZZ G ANT MD 647 Inspector's Signature National Board, State, and Endorsements
Date Cliquet 8, 200 Z
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# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES\* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of 4

Manufactured and certified by	Babcock & Wilcox Canada, 5 (name and address	81 C	oronati	on Boulevard, Cambridg	e, Ontario N1R 5V3	
2. Manufactured for SGT Ltd. P.C	• (	206	657 ·	ومين المرابع الماني المانيات والمانيات المرابع فقد المانيات المانيات		·
3. Location of Installation Calvert	. (name	CONP and ad	P) Unit	s 1&2, Lusby, Maryland	20657-4702	
4. Type: 7811E001 Rev. 6 (drawing ro.)	(matil. spec. no.)	-	trength) ,	(CRN)	2001 - (year built)	
5. ASME Code, Section III, Division 1	(edition)	(addan	enda da date)	- 1 (cass)	See attached List	st #2
6. Fabricated in accordance with Cor	nst. Spec. (Div. 2 only)	(no.)	g+a	RevisionT	ate	* * *
7. Remarks: Secondary side hy secondary side. Previous N-2	drotest has not been perform form for primary head (Nation	ned. I nal Bo	Post-hy pard No	drotest final NDE has no 402) attached.	ot been performed on	<b>-</b> ·. `
8. Nom. thickness (in.) See List #3	Min. design thickness (in.) See L	.1st #3	3 Dia. ID	(ft & in.) See List #3 Leng	th overall (ft & in.) 39'-8 7/	16"
9. When applicable, Certificate Holde	•					
		7		· Barrier and the second		
Part or Appurtenance Serial Number	National Board No. In Numerical Order	7 1	F	Part or Appurtenance Serial Number	National Board No. In Numerical Order	
(1) 7811-01 .	196		(26)			
(2)		`	(27)			
(3)	·· .		(28)			
4)	<u> </u>		(29)	· · ·	<u> </u>	
	· · · · · · · · · · · · · · · · · · ·	ر ي د ا	(00)			
(6)		-	(31)			
(7)			(32)		- <u> </u>	
(8).	* ************************************		(34)	a especie ≪		fur s
(9)		1	(35)		· · · · · · · · · · · · · · · · · · ·	
(11)	•	1	(36)			
(12)		1	(37)			
(13)		1	(38)			
(14)	•	1	(39)		•	
(15)	·	]	(40)			
(16)		]	(41)			
(17)			(42)			
(18)			(43)			
(19)		1	(44)			
(20)		4	(45)	•		
(21)		4	(46)	······································		
(22)	· · · · · · · · · · · · · · · · · · ·	4	(47)	•	•	
(23)		4	(48)		· ·	
(24)		-	(49)	<del></del>		——
	•		(50)			_n
10. Design pressure Sée List#	4 psi. Temp. <u>See List</u>	#4	5	F. Hydro. test pressure <u>Ser</u> (w	e List #4 at tend when applicable) REMAN	2001 54T

### FORM N-2 (Back - Pg. 2 of 4)

Certificate Holder's Serial Nos.

through CERTIFICATION OF DESIGN Design specifications certified by E.S. Broczkowski Jr. Reg. по. 12424 Design report\* certified by Reg. no. 48244206 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this (these)\_ Steam Generator Sub-Assembly (See Fig. 1) conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. N-2791 Expires Date August [6,0] Name Babcock & Wilcox Canada Signed 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 Technical Standards and Safety Authority Ontario and employed by \_ have inspected these items described in this Data Report on 108/16, and state that to Ontario. the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code. Section III. Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment schbed in this Data Report. Furthermore, heither the inspector nor his employer shall be liable in any manner for any personal injury or from or connected with this Inspection.

# Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

	Certificate Holder's Se National Board	erial Nos. 7811-01 Nos. 196	through			rage o ur
1. Manufactured and certified by		Canada, 581 Corona	tion Boulevard	l, Cambridge, On	tario	
<ol><li>Manufactured for SGT Ltd.</li></ol>	P.O. Box 1219, Lusby,			21 4 14	<u> </u>	1 Y
3. Location of Installation CCN	PP Units 1&2, Lusby, I	Viaryland 20657-470	2 -		•	
	······································	<del></del>	<del></del>	•		•
4. Type:					•	
••						L.
5.ASME Code:						
•	•	•		•		
List#1:			*	· ~		

	Material Specification	Tensile Strength
Primary Head	SA-508 Cl. 3a	90 ksi
Primary Head Inlet Nozzle	SA-508 Cl. 3a	90 ksi
Primary Head Outlet Nozzle	SA-508 Cl. 3a ·	90 ksi
Base Support Stool	SA-533 Type B Cl. 1	80 Ksi ·
Tubesheet	SA-508 Cl. 3a	90 ksi
Tubes	SB-163 N-20-4 (Alloy 690)	80 ksi -
Secondary Side Shell Cans	SA-508 Cl. 3a	90 ksi
Secondary Side Shell Cone .	SA-508 Cl. 3a	90 ksi
Primary Manway Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Handhole Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Inspection Port Covers	. SA-533 Type B Cl. 1	80 ksi
Small Nozzles - Primary Side	SB-166 N06690	69.9 ksi
Small Nozzles-Secondary Side	SA-350 LF2	70 ksi
Blowdown Nozzies	SFA 5.5 E7018-A1 Buildup	70 ksi
Recirculation Nozzle	SFA 5.5 E7018-A1 Buildup	70 ksi

### List #2:

Code Cases:	N-20-4		Ł				
	N-411-1	_ Å	4		E 2		
	N-474-1	,		*****	• .		•
	2142-1			i	1		<del></del>
	2143-1		1				· · · · · · · · · · · · · · · · · · ·
	N-401-1		•			•	<del></del>
•	N-416-1						

### List #3:

	Nominal Thickness	Min. Design Thickness	Inner Diameter
Primary Head	7"	7.000"	-
Tubesheet	21.875"	21.500"	-
Secondary Side Shell Cans		a war on a second of the	
1) Shell above Tubesheet	4.375"	4.25"	13'-3 3/16"
2) Remainder of Shell	2.875"	2.77"	.13'-3 3/16"
Secondary Shell Cone	•		
1) Above Secondary Shell Can	5.125"	5.000"	-
2) Conical Portion	4.625"	4.500"	-
Tubes	0.042"	0.038"	0.666" Nom.

Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL

## Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

Certificate Holder's Serial Nos. 7811-01 through National Board Nos. 198 through	Page 4 of 4
1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario	
2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657 [Games and address of Purchaser] 3. Location of Installation CCNPP Units 1&2, Lusby, Maryland 20657-4702	***
4. Type:	• .

### List#4:

5.ASME Code:

	Secondary Side	Primary Side
Design Pressure	1015 psia	2500 psia
Design Temperature	550°F	650°F
Hydrotest Pressure	2	. 3125 psia
Hydrotest Temperature	<b>a</b> 2	70°F

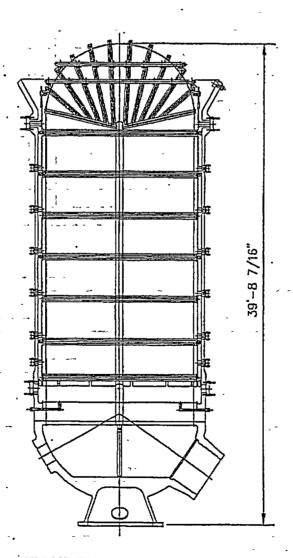


FIGURE 1 GENERAL ARRANGEMENT

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

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

Pg. 1 of -2

lanufac	tured for Babcock & F	Wilcox,581 Coronatio	on Blvd., Cambridge, (	Ontario,NIR 5V3,Ca	nada	
د .			The first are not a first and a first	andissing	_	
cation	of installation _ Calver	Cliffs Nuclear Por	yer Plant Unit 1 & 2 [name and ac Min. 90ksi [tensile strength]	carvere country,	arliana	
~ ~	W147051W.Day. 2	SA-508. C1. 3s	Min. 90ksi		1999	•
ype:	Tou Bujweip)	(mat'l, specino.)	Min. 90ksi (tensile strangth)	[CRN]	. (Year bu	ill t
		. 3000	Vo addonda	1	_	
SME C	ode, Section III, Division	(edizion)	(addenda date)	(dass)	[Code C	L14 DO.)
				ision	Data	
apricate	d iu sccolosuca Mitu Co	use abaci fotal z attiát =	(no.)	, , , , , , , , , , , , , , , , , , , ,		
- Inmarke	. Hydrostatic test	is not performed in	The Japan Steel Wo	rks, Ltd.		
(0114164	-Cladding thickne	ss is min. 0.20" fr	om base:metal.	-16 and SPA-5 0 E	BROOT, A FRIORI.	
	Cladding materia	is are Sra-5.4, ANS	on the Japan Steel Woom base:metal. C1. E309L-16 + E308	P-10 Blid Str 7:3 1	20070 . 200000	
	· P.U. NOI i LOS.	302004		305 •	-	~ -
	meat no. : 98W	59-1-1 J:	3 00ll	151 27"		- l~-
lom, thi	ckness (In.) 7-1/4"	Min. design thickness (in	.) 7.00" Dia, ID (ft	& in.) Leng	th overall (ft & in.)	<u> </u>
Yhen ap	oplicable, Certificate Hold	ers' Data Reports are att	sched for each Item of this	report:	•	
		<del></del>	<del></del>	<u> </u>		
-					National	•
P	art or Appurtenance	National	1 1	or Appurtenance	Board No	
	Serial Number	Board No.	11	erial Number .	in Numerical (	
•.		In Numerical Or	der .		> It (Activation)	-1451
	1046	402		· •	·	
(1)		•		•		
(2)		1	(28)			
1.11		<del> </del>	1 (29)			
(4) -			(30)			
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171		• 4	(32)			<del></del>
			[(33)			<del>`</del>
		<u> </u>	(34)		BWC -	+-
(10)				INCOMIN	<del>le inspection</del> -	
			(36)			
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(14) _	, , , , , , , , , , , , , , , , , , , ,		(39)	<b>.</b>	10.10	-
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11471	,		(42)	* >	V - V V	
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(21)_			[47]	(X ) (	1	
(21) _						
(21) <u>-</u> (22) <u>-</u> (23) <u>-</u>		ŧ	"			
(21) <u>-</u> (22) <u>-</u> (23) <u>-</u>			(45)		<del> </del>	

(12/88)

This form (ECOC40) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

<sup>\*</sup>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 - Pg. 2 of -2

	• Cardifica	te Holder's Serial Nos	1046	through	·
	CERTIFICATION C	F DESIGN		•	
Design specifications certified by	N/A	" •	.E. State N/A	- N	/1
hazidu abacuteadoua cerutied bă	. (when applicable)	<del></del> ,	.c. State	— Keg. no	
Design report * certifled by	·· N/A		E Same N/A	Bea ea N	/ <u>)</u>
h .	(when applicable)			neg. no	<del></del> -
	CERTIFICATE OF C	OMPLIANCE .		P M-	
Ye certify that the statements made i	In this report ere correct and that this (t	hese) Part		•	
	of the ASME Code, Section III, Division			•	-
NPT Certificate of Authorization No	N-2725	Expires	July- 21	2001	
T	ne Japan Steel Works, Ltd Plant				,
Date June 25, 1999 Name M	INPT Certificate Holder	Signed	Tree 1	presentative)	
•	fuc.) cautities London		J. TAIRA	bassuraush	
Indixors and employ	nmission issued by the National Board of the H.S.B.I. & I. Co.  Ispected these items described in this D	<del></del>	125-199	, and state th	
	Certificate Holder has fabricated these		in accordance with		
	en authorized for stamping on the date a		ı	•	
	inspector nor his employer makes any				
	her the inspector nor his employer shall	be liable in any manner	for any personal inj	ury or property da	mag
ioss of any kind arising from or conne	cted with this Inspection.	•		~	
Date 6/25/79 Signed		Commissions	NB#1014	A.N.S.	
Date of Signed	H. KAWABATA	Commissions	NB#1014	ments) and state or pro-	v, and r
ione Plate ser	used for feather	r manufa	eture	•	
ur 16/99	•		<del></del>	•	
		<b></b> -	1 B'	WC	
1908 les barrondel	ed to the custon	uer	INCOMING	INSPECTION	

En the history doctor

AUG 18 1999

181161 PRIMARY HEAD 2/8/16 /

96496 C

CUSTOMER DEST

Mr. - WI 8.5.01

NAT'L BD

(NATIONAL BOARD SERIAL NUMBER)

THE JAPAN STEEL WORKS, LTD

MURORAN PLANT
(NAME OF CERTIFICATE HOLDER)

BY

(CERTIFICATE HOLDER'S SERIAL NUMBER)



A Washington Group international, Inc. / Duke Engineering & Services, Inc. Company

Babcock & Wilcox, Canada 581 Coronation Boulevard Cambridge, Ontario

Canada, N1R 5V3

Attention:

Mr. Garry Astles, Project Manager

Reference:

CCNPP Steam Generator Procurement Purchase Order No. 4621-CCNP-21-9000

Subject:

CCNPP Unit 1 ASME Design Report

Dear Mr. Astles:

CCNPP and SGT have reviewed ASME Design Report Nos. 222-7811-SR-8.1, Rev. 1 in accordance with the ASME Boiler and Pressure Vessel Code Section III, NCA-3260, Division 1, and have determined the report meets the owner's requirements per Code.

If you have any questions, please contact me at (704) 382-7148 or David Keen (704) 382-0096.

Action Required:

None

Respectfully yours,

Kevin J. Connell

Replacement Steam Generator Engineering Manager

SGT Ltd.

Attachment: Calculation Cover Sheet for 222-7811-SR-8.1 Rev. 1

cc w/ attach: B.R. Rudell

T. L. Konerth

E. Broczkowski M. C. Sc

M.S. Sills K. Wolfcale D. S. Keen A. M. Wolfe

M. C. Scott T. Helms (File)

File 13.021.3.

D.D. Crawford

J. B. Wheeler

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 8/1/2002 -	3
1. Owner: (name)		
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2	
(address)		· •
Calvert Cliffs Nuclear Power Plant	Unit: One	76 ) mar ex
2. Plant: (name)	Omt.	
	R No. SG-1-001b, ESP	No. ES199601526
(address)	(P.O. no, jol	
	Type Code Symbol Stam	p: <u>N/A</u>
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Authorization No.: N/A	
(name)	Exp Date: N/A	•
1650 Calvert Cliffs Parkway, Lusby, MD 20657	· —	ne -
(address)	<del></del>	
	eactor Coolant System	1
4. Identification of Dystoms Dystoms 1	,	· · · · · · · · · · · · · · · · · · ·
5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edit	ion, Summer 1971 Add	d; Class One
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition	1
6. Identification of Components Repaired or Replaced and Replacement Compo	onents:	ASME Repaired, Code
Name of Manufacturers National Componet Manufacturer Serial Number Board No.		Replaced, or Stamped Replacemen (Yes or No
Piping System Combustion 30" & 42" CC-1 N/A Reactor C	Coolant Piping 1970	Repaired/Repl Yes
-	, ,	, v
7. Description of Work:	•	•
This plan was for the Reactor Coolant Hot Leg and Cold Leg Pipe	welding to support the	replacement of #11
Steam Generator.		
	· · · · · · · · · · · · · · · · · · ·	
8. Tests Conducted: Hydrostatic. Pneumatic Nominal Operating Pressure	Inservice: Leakage: 🗸	Functional [_]
Pressure: 2273 psi. Test Temperature	e: <u>532</u> Deg. F	
	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	
NOTE: Supplemental sheets in form of lists, sketches, or drawings may	be used, provided (1) size	e is 8-1/2 in. x 11 in.,
(2) information in Items 1 through 6 on this report is included on each st	heet, and (3) each sheet is	numbered and the
<u> </u>		,

### 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. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

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: 8/1/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-1/-02 to 6-28-02, 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.
Lobert Commissions: NBBZZG AWI MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date Quart 8 200 Z

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

						,	
	Calvort Cliffs	s Nuclear Powe	r Plant Inc	Date: 8/1/200	2		
1. Owner: '		name)	1 1 14116, 1119	Date:			
40E0 Calvart C	•	Lusby, MD 20	657	Sheet 1 of 3		;	•
1650 Calvert C		address)		Silect LOLO	•	٠	
	•	-	er Blant	One			
2. Plant:		s Nuclear Powe	er Plant	Unit: One	-		
1		name)	,	mam II . 00 d 00d .		N- F04000	204500
1650 Calvert C	Cliffs Parkway;	Lusby, MD 20	657	R&R No. SG-1-001c,			01526
	(	address)	•	•	-	no., etc.)	
2 W 1-D	Calvert	Cliffs Nuclear P	ower Plan	t Dept. Type Code Symbo	_	: <u>N/A</u>	
3. Work Perform	·u oy	name)	<u> </u>	Authorization No.:	, <u>N/A</u>	<b>s</b>	
				Exp Date: N/A	_		
1650 Calvert C		Lusby, MD 206	57.	Section XI Class:	<u>Tv</u>	vo	•
* .	. 1	address)		Main Steam BID E		uv/Eood ' 2	Pooir
4. Identification of	of System: System	n Number <u>Var.</u>	System Na	me: Main Steam, B/D, F	/44, A	ux/reeu, &	Kecii
		1 CI ACMI	= D24 4 D	1967 Edition 1972 Add			
5.(a) Applicable (	Construction Code:	and Class: ASIVIT	2 031.1.0	1967 Edition, 1972 Add	<del></del>		
(b) Applicable S	Sect XI Ed. for Rep	airs/Replacement		1998 Editio	on ———		
C TimulSection	of Components Pen	aired or Replaced at	nd Renlaceme	ent Components:	,		ASME
6. Identification	of Components Rep	anca of Replique as	· · ·		2	Repaired,	Code
Name of	Name of	Manufacturers	National	Other	Year	Replaced, or	
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen	(Yes or No)
			NIIA * C	Main Steam, Feedwater,	1975	Repaired/Repl	No
Piping System	Bechtel	DB-1, EB-1,-5,& -6	N/A %	Blowdown, Wet-Layup Recirc. & Aux. Feedwater Sys.	1710	aced	. 110
Elbow	SGT-Aux. Feedwater	ES199601526-118	' N/A	Elbow, Pipe, 4 in. 90 deg. Long Rad, Sch.80, Btt Wld, SA-234 Gr. WPB	2001**	Replacement	No
valve	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Valve, 2 in., gate, 800#, ASME SA-105, Mark#19	2001	Replacement	No
Pipe	SGT-Wet-Layup Recirc.	ES199601526-111	1 N/A	Pipe, 2 in. Sch. 80, ASME SA-106 Gr. B	2001	Replacement	No
Flange	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Flange, 2 in., 150 lb., Raised Face, Sch.40, Socketweld, ASME SA105	2001	Replacement	No No
Pipe Clamp Base	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe Anchor Base, 2 infor PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	2001	Replacement	No
Pipe	SGT-Aux. Feedwater	ES199601526-118	N/A	Pipe, 4 in. Sch. 80, Carbon Steel, ASTM A-106 Grade B	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F- 22	2001	Replacement	No
Coupling	SGT-Blowdown	ES199601526-110	N/A	Coupling, 2 in., 3000 lb., Socketweld, ASTM A-182, Tp. F22	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 4 in. X 4 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Nut	SGT-Blowdown	ES199601526-110	N/A	Nut, Hex. Head, 1/2 in. X 13 TPI, SA-194 Gr. 2H	2001	Replacement	No

Eye Nut	SGT-Blowdown	ES199601526-110	N/A	Eye Nut, Weldless, 1/2 in., Grinnell, Fig. 290N	2001	Replacement	No
Plate, C.S.	SGT-Blowdown	ES199601526-110	N/A	Plate, Steel, 1/2 in. X 48 in. X 96 in., ASTM-A36	2001	Replacement	. No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 1 in. X 1 in. X 1/4 in., ATSM A-36	2001	Replacement	No
Pipe Clamp	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe, 2 in., for use on Grinnell Fig. 295N, with Hardware	2001	. Replacement	No
Spring Can	SGT-Blowdown	ES199601526-110	N/A	Support, Variable Spring Can, Grinnell Figure # B-268N, Tp. A, Size 000	2001	Replacement	· No
Fitting	SGT-Blowdown	ES199601526-110	N/A	Lateral, 2 in., 3000 lb., Socketweld, ASTM A-182 Gr. F22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 45 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F- 22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	· N/A	Elbow, Pipe, 2 in. 90 deg. Long Rad, Sch.80, Butt Weld, ASTM A- 234 Gr. WP22	2001	Replacement	No 1
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 3 in. X 3 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Tube Steel	SGT-Blowdown	ES199601526-110	N/A	Tube Steel, 3 in. X 3 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No
Radiographic Plug	SGT-Main Steam	ES199601526-108	N/A	Plug, Radiographic, 1 1/4 in. ASTM A675, Gr. 80	2001	Replacement	No
Pipe ,	SGT-Feedwater	ES199601526-109	N/A	Pipe, 16 in. Sch. 80, ASME SA- 335 Gr. P22	2001	Replacement	No
Elbow	SGT-Feedwater	ES199601526-109	N/A	Elbow, Pipe, 16 in. 90 deg. Long Rad, Sch.80, Butt Weld, ASME SA-234 Gr. WP22	2001	Replacement	No
Radiographic Plug	SGT-Feedwater	ES199601526-109	N/A	Plug, Radiographic, 1 1/4 in. ASTM A739, Gr. B22	2001	Replacement	No
Concentric Reducer	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Reducer, Pipe, Concentric, 3 in. X 2 in., Sch. 80 ASTM A-234, Gr. WPB	2001	Replacement	No

7. Description of Work:

This plan was for the work to be done to the Main Steam, Blowdown, Feedwater, Aux. Feedwater and the Wet-Layup Recirc. lines that are associated with the replacement of #11 Steam Generator.

8. Tests Conducted:	Hydrostatic:	Pneumatic	:-	Nominal Operating Pressure:	Inservice:	Leakage: 🗸	Functional:
	Pressure:	<u>890</u>	psi.	Test Temperature:	<u>532</u>	Deg. F	

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

### 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. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

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: 8/1/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-11-07 to 6-28-07, 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.
Pobert Of Jaurence Commissions: <u>U88226 ANT</u> , <u>MD647</u> Inspector's Signature National Board, State, and Endorsements
Date Quality 8, 200Z
$^{\prime\prime}$

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

						-	•
1 0	Calvert Cliffs	s Nuclear Powe	r Plant, In	c. Date: 8/1/200	)2 <sup>:</sup>	خت د* سړ د مع	
1. Owner:		name)		Date.			
1650 Calvert Cli	ffs Parkway;	Lusby, MD 20	657	Sheet 1 of 3.		**	÷
•	(1	address)			r.,		
2. Plant:		s Nuclear Powe	er Plant	Unit: One		* * * * * * *	
	(1	name)					
1650 Calvert Cli			657	R&R No. SG-1-001d,			01526
•	(1	address)	•	•	no ,job	<del>-</del>	
3. Work Performed	<sub>bv:</sub> Calvert	Cliffs Nuclear P	ower Plan	Type Code Symbo	_	: <u>N/A</u>	
<i>y</i> , ,, <i>o</i> ,, <i>o</i> ,,		name)		Authorization No.:	<u>IN/A</u>		
1650 Calvert Cli	ffe Parkway	Lushy MD 206	57	Exp Date: <u>N/A</u> Section XI Class:	. Or	 20	
1030 Calvert Oil		address)		Dection At Class.		<u>.16</u>	1
4. Identification of S	F	Number 064	System Na	me: Reactor Coolant Sy	/stem		***
		· .					,
5.(a) Applicable Con	struction Code	and Class: ASME	E B31.7 1	969 Edition, Summer 197	1 Add	; Class One	
(b) Applicable Sec	t XI Ed. for Rep	airs/Replacement	- 1	1998 Editio	n		•
6 Identification of C	Components Rep	aired or Replaced ar	id Replaceme	ent Components:			ASME
1	omponente resp			Contract of the second	• , "	Repaired,	Code
Name of	Name of .	Manufacturers	National	Other	Year	•	Stamped
Componet M	<b>Ianufacturer</b>	Serial Number	Board No.	Identification	Built	Replacemen (	Yes or No
Piping System	Bechtel	1" & under CC-9	N/A	Reactor Cooling Sys. Instrumentation	1970	Repaired/Repl aced	No,
Tubing	SGT-Reactor	ES199601526-112	N/A	Tubing, 3/4 in. X .065 Wall,	2001 -	Replacement	No,
	Coolant Flow Indication		<del>.</del>	ASME SA 213, Tp. 316			
2D Tubing	SGT-Reactor	ES199601526-112	N/A	Clamp, Tube, 3/4 in., 2 Directional, Mark #400, Girard	2001	Replacement	No
Clamp	Coolant Flow Indication	و مستد م	بيهم دي عامدي ،	P/N 3/4T-SS-2D, A/SA 276 or 479, Tp. 304/316			2 - marin =
Tubing Union	SGT-Reactor	ES199601526-112	N/A	Union, Tubing, 3/4 in. Swagelok,	2001	Replacement	No
	Coolant Flow Indication			P/N SS-12-TSW-6, ASTM/ASME A/SA182 or A/SA479, Tp. 316			
Pipe	SGT-Reactor	ES199601526-112	N/A	Pipe, 1in. Sch 80, ASME SA-376,	2001	Replacement	No
- 4	Coolant Flow			TP-316			
Fitting	Indication SGT-Reactor	ES199601526-112	N/A	Fitting, 1 in. X 3/4 in. Pipe/Tubing	2001	Replacement	No
I tttillig	Coolant Flow Indication			Connector, Parker, P/N 12-1-AW		•	
7. Description of W	nrt.						
•		Coolant System I	Instrument	ation Piping/Tubing and su	pports	s, one inch ar	nd
under, work to su					1.1.2.	.,	
8. Tests Conducted:	Hydrostatic 🗍	Pneumatic: No	ominal Operatin	g Pressure· Inservice: Leakage	:	nctional:	
o. Tesis Conducted.	-	N/A psi.	•	emperature: N/A Deg. F			
	Pressure:	<u>1474</u> psi.	200.10				

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.

$^{\circ}$	Daman	
. Y.	Remark	

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.  Repair/Replacement conforms to the
٠,	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: 8/1/2002
	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
į	components described in this Owner's Report during the period Z-//-OZ to 6-28-02, 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.
	Robert O Lawrence Commissions: NBBZZGAWI MDG47 Inspector's Signature National Board, State, and Endorsements
	Date: Quest 8, 2002

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

						-1	
					(, ()		-
1. Owner:	Calvert Cliffs	Nuclear Powe	r Plant, Inc	5. Date: 8/1	/2002	-	1. 1
-	•	ame)	* .	e de la companya de			
1650 Calvert C	liffs Parkway;	Lusby, MD 20	657	Sheet 1 of 2	•		
	(ac	idress)				•	
0.701	Calvert Cliffs	s Nuclear Powe	er Plant	Unit: 📉 Or	ie = .i ;	يد .	
2. Plant:		ame)			<del></del>	4 · · · · · · · · · · · · · · · · · · ·	
	NUCC Devices	Lumbur MD 20	)CE7	R&R No. SG-1-0	11e FSP	No. ES1996	01526
1650 Calvert C	liffs Parkway;		0657			no., etc )	
	-	ddress)		Type Code S	• .	• •	
3. Work Performe	ed by: Calvert C	Cliffs Nuclear P	ower Plan	Authorization	_	<del></del>	
J. (( Olac 2 Ola		ame)	• ,	Exp Date: N			
dCEO Calvord'C	Cliffs Parkway,	Luchy MD 206	357	Section XI C		& Two	
1650 Calvert C		ddress)		Section XI C		<u> </u>	
	,	•	· - Crestam Na	<sub>me:</sub> Steam Generat	or Replac	ement	
4. Identification of	f System: System	Number <u>04/03</u>	Systemma		<u> </u>		
c (n) Ammliachla (	Construction Code a	nd Class: AISC	. Manual o	f Steel Construction	. 6th Ed. 1	1963	
5.(a) Applicable (	John Hellon Code a	nd Class. 7100	, manaan o				-
(b) Applicable S	Sect XI Ed. for Repa	irs/Replacement	,	1998 E	dition		
- ** .: m	of Components Repa	- irod or Danlacad as	nd Replaceme	ent Components:	* * , , *	;	A CN CC
6. Identification of	of Components Repa	illed of Replaced a	nd vebiaceni	omponene.	~ · · ·	Repaired,	ASME Code
'NT	Name of	Manufacturers	National	Other	Year	Replaced, or	
Name of Componet	Manufacturer	Serial Number	Board No.	Identification		· Replacemen (	
Сопроист	TVIamaraotaror						
Comp. Support	Combustion	N/A	N/A	#11 Steam Generator Snubbe and Sliding Base	r , 1970	Repaired/Repl	No
Plate	Engineering SGT-Steam	ES199601526-107	N/A	Plate, Steel 1/4 in. ASME SA-	36 2001	Replacement	No
, Flate	Generator Supports		4	ور ـ ه ه .	• • •	~	•
, Stud	SGT-Steam	ES199601526-107	N/A	Stud, 2 1/4 in. X 14 in. X 4 1/2 TPI, ASTM A-193, Gr. B7	2001	Replacement	No
** *	Generator Supports	ES199601526-107	N/A	Nut, Heavy Hex, 2 1/4 in. X 4	1/2 2001	Replacement	No
Nut	SGT-Steam Generator Supports	£3199001320-107		TPI, ASTM A-194 Gr. 7	÷	سد	4
Nut	SGT-Steam	ES199601526-107	N/A	Washer, 2 1/4 in., Circular	2001	Replacement	No
	Generator Supports	TC100601836 107	N/A	Hardened, ASME SA-193 Gr Plate, 1/2 in., ASTM B-22, Tp		Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	MA	11ate, 172 m., ASTO 0-22, 1	,. 2	z c p i a c t i c i c i c i c i c i c i c i c i c	
Plate	SGT-Steam	ES199601526-107	N/A	Plate, Shim, AISI 4140, 125 F	RMS 2001	Replacement	No
	Generator Supports		N	Finish, Heat-Treat to RC-40	JNC 2001	Replacement	No
Capscrew	SGT-Steam Generator Supports	ES199601526-107	N/A	Capscrew, 1/2 in. X 13 TPI, I 3A, Socket-Head, Countersu		Replacement	110
	Generator Dupperts			per ASTM F-835			
	.1171						
7. Description of	Work:	La Clidina basa	and the hr	ackate that hold #11 S	team Gen	erator in plac	· <b>P</b>
This plan was	tor the work on t	ne Sliding base	and the pr	ackets that hold #11 S	neam Gen	iciator in piac	
	1. Understatio	Pneumatic: N	Iominal Occasio	g Pressure: Inservice: L	eakage. F	unctional:	
8. Tests Conduct			Iominal Operation	NI/A -	_		
	Pressure:	<u>N/A</u> psi.	1est 1e	emperature: <u>N/A</u> De	g. 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.

0	Da	ma	+1,		
9.	Re	ma	ΙK	3	:

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

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: 8/1/2002  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 Z-11-0Z to 6-28-6Z, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert & Source Commissions: NB 8226 ANI MD 647 Inspector's Signature National Board, State, and Endorsements
Date: Qugust 8, 200 Z

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

Calvert Cliffs Nuclear Power Plant, Inc.	Date: 8/1/2002
1. Owner: (name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657	Sheet 1 of 2
(address)	
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: One
Z. Plant: (name)	
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R	No. SG-1-002a, ESP No. ES199601526
(address)	(P.O. no., job no., etc.)
2 Work Performed by: Calvert Cliffs Nuclear Power Plant Dept.	Type Code Symbol Stamp: N/A
3. Work Performed by: (name)	Authorization No.: <u>N/A</u>
Long Darlowey Luchy MD 20657	Exp Date: N/A Section XI Class: One & Two
1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)	The section of the section of
	eam Generator Replacement
• • •	
5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect	. III, 1965 Edition, Winter 1967 Add; Class
A CCases: 1332-2, 1332	-4, 1359-1
(b) Applicable Sect XI Ed. for Repairs/Replacement	1998 Edition
6. Identification of Components Repaired or Replaced and Replacement Compo	nents: ASME
6. Identification of Components Repaired of Replaced and Topics	Repaired, Code
Name of Name of Manufacturers National	Other Year Replaced, or Stamped
Componet Manufacturer Serial Number Board No.	dentification Built Replacemen (Yes or No
Pressure Vessel Combustion CE 67505 20923 #12 Steam	Generator 1970 Repaired/Repl Yes
Engineering 197 Steam Gen	nerator Lower 2001 Replacement Yes
Steam Babble Canada SN: 7811-02 Assembly,	Primary Side Head,
Tubes and Transition	Secondary Shell up to
7. Description of Work: This plan was for the replacement of the primary side head, tubes	and secondary side shell up to the
transition area of #12 Steam Generator. This also documents the	reconfiguration of the Feed Nozzle and
Surface Blowdown Nozzle.	
8. Tests Conducted: Hydrostatic: Pneumatic Nominal Operating Pressure:	Inservice: ☐ Leakage: ✓ Functional. ☐
Pressure: 890 psi. Test Temperature	: <u>532</u> Deg. F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may	be used, provided (1) size is 8-1/2 in. x 11 in.,

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. 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. A Section XI Surface Examination, Eddy Current Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

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 or Owner's Designee, Title  Charles H. Ballard Engineering Technician  Date: 8/1/2002	
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 Z-//-02 to 7-//-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.	
Pobert Dawine Commissions: 1/88226 ANI MD647  Inspector's Signature National Board, State, and Endorsements	
Date Queust 8, 200 Z	

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

Pg. 1 of 4

1. Manufactured and certified by Beboock & Wilcox Canada, 581 Coronation Bouleverd, Cambridge, Ontario N1R 5V3 (will as a part of the Caudas India) 2. Manufactured for SGT Ltd, P.O. Box 1219, Lusby, Maryland, 20657 3. Location of Installation Calvert Ciliffs Nuclear Power Plant (CCNPP) Units 182, Lusby, Maryland, 20657-4702 4. Type: 7811E001 Rev, 6. See attached List #1 (with a see a see as a see	<b>~</b>	Au 1 MA 1	-			
2. Manufactured forSGT_Ltd. P.O. Box 1219, Lusby, Maryland_20657 - (cane and settinal Price and settinal	<ol> <li>Manufactured and certified by</li> </ol>	Babcock & Wilcox Canad	a, 581 C	orona	tion Boulevard, Cambride	ge, Ontario N1R 5V3
3. Location of Installation	2. Manufactured for SGT Ltd. P	.O. Box 1219, Lusby, Maryl	and 200	357_		,
4. Type: 7811E001 Rev. 6 See attached List #1 (mink except) (CRN) (van boli) (van boli) (mink except) (CRN) (van boli) (v	3. Location of Installation Calve	rt Cliffs Nuclear Power Plan	nt (CCNF	P) Ur		20657-4702
Comparison   Com	4 Tune: 7811F001 Rev. 6	•		•	waste as a manage or waster to	* * 2004*/ ***
(extension   (ex	(drawing no.)				. (CRN)	
7. Remarks: Secondary side hydrotest has not been performed. Post-hydrotest final NDE has not been performed on secondary side. Previous N-2 form for primary head (National Board No. 403) attached.  2. Nom. thickness (in.) See List #3 Min. design thickness (in.) See List #3 Dia. ID (ft & In.) See List #3 Length overall (ft & In.) 39-8 7/16*  3. When applicable, Certificate Holders' Data Reports are attached for each term of this report.    Part or Appurtenance	5. ASME Code, Section III, Division				1 (dass)	
Previous N-2 form for primary head (National Board No. 403) attached.	6. Fabricated in accordance with C	onst. Spec. (Div. 2 only)	(no.)		RevisionI	Date
Part or Appurtenance	7. Remarks: <u>Secondary side l</u> secondary side. Previous N	nydrotest has not been perfe- 2 form for primary head (N	ormed. ational E	Post-l	nydrotest final NDE has n No. 403) attached.	ot been performed on
Part or Appurtenance   Serial Number   National Board No. In Numerical Order   197   (25)   (25)   (27)   (28)   (29)   (30)   (31)   (32)   (32)   (33)   (34)   (35)   (10)   (11)   (15)   (15)   (16)   (17)   (17)   (17)   (18)   (19)   (19)   (20)   (21)   (22)   (23)   (24)   (25)   (25)   (26)   (27)   (27)   (28)	,					oth overall (it & in.) 39'-8 7/16"
Part or Appurtenance   Board No. In Numerical Order   197"   (28)   (27)   (28)   (29)   (30)   (4)   (5)   (4)   (10)	9. When applicable, Certificate Hol	ders' Data Reports are attached	for each i	tem of	this report:	
Part or Appurtenance   Board No. In Numerical Order   197"   (25)   (27)   (28)   (29)   (30)   (4)   (5)   (31)   (32)   (33)   (34)   (35)   (35)   (35)   (37)   (10)			`   _		F	National -
(2)	Part or Appurtenance Serial Number	Board No.	-	-		Board No.
(3) (4) (28) (29) (30) (5) (6) (31) (32) (33) (33) (33) (34) (35) (35) (35) (35) (35) (35) (35) (35	(1) 7811-02	197		(26)		Na reference de la contraction del contraction de la contraction d
(4) (5) (6) (30) (31) (32) (33) (9) (10) (34) (35) (36) (11) (35) (36) (11) (32) (33) (34) (35) (34) (35) (36) (37) (38) (38) (39) (40) (41) (41) (42) (42) (48) (49) (20) (21) (45) (22) (23) (24) (25) (25) (47) (25) (49) (50) (50) (50) (50) (50) (50) (50)	(2)	,	_]	(27)		
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(7) (8) (9) (10) (111) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (21) (22) (23) (24) (25) (38) (39) (40) (41) (42) (43) (44) (44) (45) (47) (22) (48) (49) (50) (50)  (50)  (83) (34) (35) (35) (38) (37) (38) (39) (40) (41) (42) (42) (43) (44) (44) (45) (47) (48) (49) (50)	(5)			(30)		in the medical to
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(18)       (43)         (19)       (44)         (20)       (45)         (21)       (46)         (22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4 at temp. °F	(16)		7	(41)		· ·
(18)       (43)         (19)       (44)         (20)       (45)         (21)       (46)         (22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4 at temp. °F	(17)			(42)		•
(19)       (44)         (20)       (45)         (21)       (46)         (22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4 at temp. °F				(43)		
(20)       (45)         (21)       (46)         (22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4 at temp. °F		•	-	(44)		
(21)       (46)         (22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4 at temp. °F	<del></del>					
(22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4 at temp. °F						
(23)						
(24)       (49)         (25)       (50)         10. Design pressure See List #4       psi. Temp. See List #4       °F. Hydro, test pressure See List #4       at temp. °F						
(25) (50)  10. Design pressure See List #4 psi. Temp. See List #4 °F. Hydro, test pressure See List #4 at temp. °F	· · · · · · · · · · · · · · · · · · ·					
		•		<u> </u>		
	10. Design pressure See List #	4 psi. Temp. See Li	st #4			

#### FORM N-2 (Back - Pg. 2 of 4)

Certificate Holder's Serial Nos. CERTIFICATION OF DESIGN Design specifications certified by E.S. Broczkowski Jr. Reg. no. 12424 Design report\* certified by CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this (these) Steam Generator Sub-Assembly (See Fig. 1) conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. Signed 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 and employed by Technical Standards and Safety Authority of Ontario have inspected these items described in this Data Report on 4429/01, and state that to Ontario the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report- Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or

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

# Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

Page 3 of 4

	Certificate Holder's Serial Nos. 7811-02 National Board Nos. 197	through	<del></del>	•		
. Manufactured and certified by	Babcock & Wilcox Canada, 581 Core		Càmbridge,	Ontario	_	
Manufactured for SGT Ltd. P	P.O. Box 1219, Lusby, Maryland 20657		, 1, 5			*
Location of Installation CCNP	P Units 1&2, Lusby, Maryland 20657-	4702	111 -222	7	÷	٠, :
S. Type:			and the second	were the second		~
ASME Code:						

#### List #1:

	Material Specification	Tensile Strength
Primary Head	SA-508 Cl. 3a	90 ksi
Primary Head Inlet Nozzle	SA-508 Cl. 3a	90 ksi
Primary Head Outlet Nozzle	SA-508 Cl. 3a	90 ksi
Base Support Stool	SA-533 Type B Cl. 1	80 ksl
Tubesheet	SA-508 Cl. 3a	90 ksi
Tubes .	SB-163 N-20-4 (Alloy 690)	80 ksi
Secondary Side Shell Cans	SA-508 Cl. 3a	90 ksi
Secondary Side Shell Cone	SA-508 Cl. 3a	90 ksi -
Primary Manway Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Handhole Covers	SA-533 Type B Cl. 1	.80 ksi
Secondary Inspection Port Covers	SA-533 Type B Cl. 1	-80 ksi
Small Nozzles - Primary Side	SB-166 N06690	69.9 ksi
Small Nozzles-Secondary Side	SA-350 LF2	70 ksi
Blowdown Nozzies	SFA 5.5 E7018-A1 Buildup	70 ksi
Recirculation Nozzle	SFA 5.5 E7018-A1 Buildup	70 ksl

#### List #2:

Code Cases:	N-20-4	
	N-71-15	
	N-411-1	1
•	N-474-1	
	N-474-1 2142-1	, , , , , , , , , , , , , , , , , , , ,
	2143-1	· // · · ·
	N-401-1	
	'N-416-1	

#### 1 ist #3:

	Nominal Thickness	Min. Design Thickness	Inner Diameter
Primary Head	7"	7.000"	4
Tubesheet	21.875"	21.500"	
Secondary Side Shell Cans	<del></del>	7	
1) Shell above Tubesheet	4.375"	4.25"	13'-3 3/16"
2) Remainder of Shell	2.875"	2.77"	13'-3 3/16"
Secondary Shell Cone		<del></del>	
1) Above Secondary Shell Can	5.125"	5.000"	1-
2) Conical Portion	4.625"	4.500"	-
Tubes	0.042"	0.038" - 3 367 165	0.666" Nom.
· Attachn	ent to FORM N-2 CERTIFIC	CATE HOLDERS' DATA REPORT F	OR IDENTICAL

# NUCLEAR PARTS AND APPURTENANCES

Certificate Holder's Serial Nos. 7811-02 through - National Board Nos. 197 through -		Page 4 of 4
1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontai	rio	
2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657	,	
3. Location of Installation CCNPP Units 1&2, Lusby, Maryland 20657-4702	•	

4. Type:

5.ASME Code:

List #4:

		Secondary Side	Primary Side
Design Pressure	gaye, at to to to	1015 psia	2500 psia
Design Temperature		550°F	· 650°F
Hydrotest Pressure		•, • ,	3125 psia
Hydrotest Temperature		-	70°F

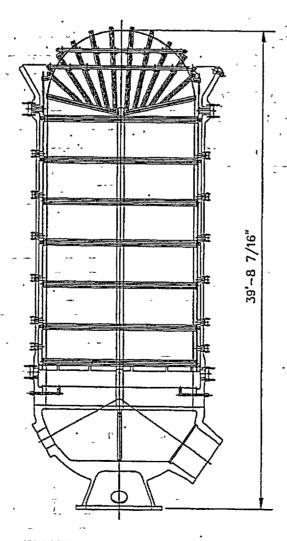


FIGURE 1
GENERAL ARRANGEMENT

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

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

Not to Exceed One Day's Production

Pg. 1 of \_ 2

anulactured for Babcock & WI	Icox, 581 Coronation Blvd	., Cambridge, Ontario, NIR SV.	3, Canada
			<u>-</u>
cation of installation Calvert	Cliffs Nuclear Power Plan	t Unit 1 5 2 Calvert Country, (name and address)	Maryland
N147951W. Dev. 2	-S1-S09 C1 7- Wm	(name and address)	1999
(pe:	SA-508, Cl. 3a Min.	POKSI - ICRNI	1999 (year build
	1989	No addenda 1	-
SME Cade, Section III, Division 1	(edition)	freddands datel	(Cade Case no.)
becased in accordance with Con	er Sono iDiv 2 notel	- Rayleion -	Dave
,	ari open (orre 2 orny)	Revision	-
Mydrostatic test	is not performed in The Ja	apan Steel Works, Ltd.	-
craceral furckies	s is min. 0.20" from base	metal. 09L-16 + E308L-16 and SFA-5.9	
TO Ve a super	a die Srk-3.4, Aks Ci. Est	J91-16 + E3081-16 and SFA-5.9	ER309L + ER308L.
Keat No. : 9886	02064 1-1-1	JSW Job No. : FN8-4305 JSW PC. No. : 2	The second section is a second
- 4 4 4			
		20" Dia. 10 (ft & in.) :151 37" Ler	igth overall (ft & in.) 51-7.72"
hen applicable, Certificate Holde	rs' Data Reports are attached for	each item of this report:	
Part or Appurtenance	National	Part or Appurtenance	National
Serial Number	Board No.	Serial Number	Board No.
-	in Numerical Order	- 1	in Numerical Order
*			•
(1)	. 403	(26)	
(2)		(27)	
(3)		(28)	h *-
{ <del>4</del> }		(29)	<u> </u>
(5)	· · · · · · · · · · · · · · · · · · ·	[30]	
1-7		1 64-44.	
(6)		_  (31)	
(6)		(32)	178
(6)		(32)	1
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(6)		(32) (33) (34) (35)	
(6)		(32) (33) (34) (35) (36)	
(6) (7) (8) (9) 10)		(32) (33) (34) (35) (36)	
(6) (7) (8) (9) 10) 11] 12)		(32) (33) (34) (35) (36) (37)	
(6) (7) (8) (9) 10) 11] 12]		(32) (33) (34) (35) (36) (37) (38) (39)	BWC
(6) (7) (8) (9) 10) 11] 12] 13]		(32) (33) (34) (35) (36) (37) (38) (39)	BWC
(6) (7) (8) (9) 10) 111 12) 131 14) 15)		(32) (33) (34) (35) (36) (37) (38) (39) (40)	BWC
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (17)		(32) (33) (34) (35) (36) (37) (38) (39) (40)	INCOMING INSPECTI
(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (17)		(32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (41)	BWC
(6)		(32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)	INCOMING INSPECTI
(6)		(32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (41) (42) (43) (44)	BWC INCOMING INSPECTI
(6)		(32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (45) (46)	INCOMING INSPECTI
(6)		(32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (45) (46) (47)	INCOMING INSPECTION SEP 8 1999 Q.C. 16
(6)		(32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (45) (46)	INCOMING INSPECTION SEP 8 1999 Q.C. 16

<sup>\*</sup> Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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.

This form (£00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

	On with a	_ (		
	Centicat	e Holder's Serial Nos.	thro	ough
:	CERTIFICATION O	F DESIGN		
Design specifications certified by	N/A (when applicable)		State N/A'.	Reg. no. N/A
Design report* certified by	N/A (when applicable)	·	State · N/A	Reg. no. N/A
	CERTIFICATE OF CO	OMPLIANCE		
Ve certify that the statements made in this repo onforms to the rules of construction of the ASA	ert are correct and that this (the Code, Section III, Division	eso) Part		
NPT Certificate of Authorization No.	ห-2725	Expires	July 21, 2001	
The Japan Muroran P	Steel Works, Ltd lant		HA	
	INPT Cardicate Holders	Signed	Sutherized repress  J. TAIRA	incativa)
est of my knowledge and bellef, the Certificate II, Division 1. Each part listed has been suthorize by signing this certificate, neither the inspector of this Data Report. Furthermore, neither the inspector pass of any kind arising from or connected with the base of any kind arising from or connected with the	ed for stamping on the date short for his employer makes any we ector nor his employer shall b	nown above.  /arranty, expressed or imple a liable in any manner for a	Iled. concerning the	equipment describ or property damage
hame Plate r Oleg. 36/99. will be form dorke 5.	surded to th	further of the customer L, frealety	in the	history
•		<i>*</i>		

Mimpley ANI

BWC INCOMING INSPECTION

SEP 8 -- 1999

Q.C. 16 APPROVED

REVIEWED
AUG 3 1 2001
Tur ur 597.

NATERONIAL EO AND NO SELECTIONIII CLASER JOOTHUR SELECTIONIII CLASER JOOTHUR SELECTIONIII CLASER JOOTHUR SELECCOR SECTIONIII CLASER JOOTHUR SELECCOR SECTIONIII CLASER JOOTHUR SELECCOR SECTIONIII CLASER JOOTHUR ADDENDA

7811NG-2999 Wo#825548 ITEM# 5195488 ASSY PREPARE TO SHIP

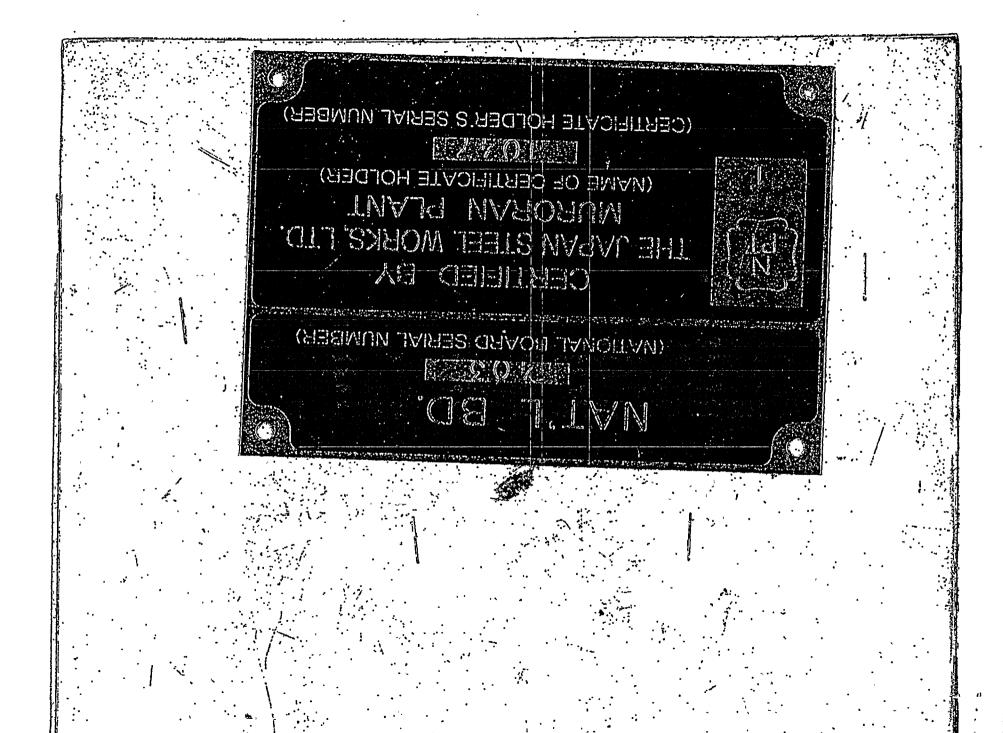
OP#0400

SIGN OFF

QC - (E) AUG 31/2001

CUSTOMER - SET SE 31 Aug 01

ANI - MI Aug 31/01



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

Calvert Cliffs Nuclear Power Plant, Inc. Date: 8/1/2002
1. Owner:
1650 Calvert Cliffs Parkway; Lusby, MD 20657 Sheet 1 of 2
(address)
2. Plant: Unit: One
Z. Trant. (name)
1650 Calvert Cliffs Parkway; Lusby, MD 20657 R&R No. SG-1-002b, ESP No. ES199601526
(address) (P.O. no, job no., etc.)
3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. Type Code Symbol Stamp: N/A  Authorization No.: N/A
3. Work Performed by: Authorization No.: N/A
Exp Date: N/A
1650 Calvert Cliffs Parkway, Lusby, MD 20657 Section XI Class: One
(address)
4. Identification of System: System Number 064 System Name: Reactor Coolant System
5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, 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:  ASME
Repaired, Code
Name of Name of Manufacturers National Other Year Replaced, or Stamped Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No.
Componet Manufacturer Serial Number Board No. Identification Built Replacemen (Yes or No.
Piping System Combustion 30" & 42" CC-1 N/A Reactor Coolant Piping 1970 Repaired/Repl Yes Engineering Piping aced
7. Description of Work:
This plan was for the Reactor Coolant Hot Leg and Cold Leg Pipe welding to support the replacement of #12
Steam Generator.
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure. Inservice. Leakage: Functional
Pressure: 2273 psi. Test Temperature: 532 Deg. F
The second of th
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.

11 5

#### FORM NIS-2 (Back)

#### 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Additional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

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: 8/1/2002					
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					
Date Rugust 3 200 2					

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

		* *	•		<del></del>		-
1. Owner:		s Nuclear Powe	r Plant, Inc	Date: 8/2/200	02	- 87	
1650 Calvert (	•	name) Lusby, MD 20	)657	Sheet 1 of 3		<u></u>	
		address)				\$	
		s Nuclear Pow	ar Plant	One		, .	
2. Plant:		name)	er Flant	Unit: One	_	ν	
1650 Calvert (	Cliffs Parkway;	Lusby, MD 20	657	R&R No. SG-1-002c,	ESP	No. ES1996	301526
	(1	address)			). no., job	•	
	Calvert	Cliffs Nuclear P	ower Plan	t Dept. Type Code Symbo	l Stamp	: <u>N/A</u>	
3. Work Perform	.cu <i>o</i> y	name)		Authorization No.	: <u>N/A</u>		
	,		•	Exp Date: N/A	,		
1650 Calvert (	Cliffs Parkway,	Lusby, MD 206	57	Section XI Class:	, Tv	/0	
		address)	Conton Ma	<sub>me:</sub> Main Steam, B/D, F	-/W Δι	IV/Food &	Pacir
4. Identification of	of System: System	Number Var.	System Na	me: Mani Oteani, Dib, i	111, 1	ani eeu, u	Kecii
5.(a) Applicable (	Construction Code	and Class: ASMI	E B31.1.0	1967 Edition, 1972 Add		-	···
(b) Applicable S	Sect XI Ed. for Rep	airs/Replacement		1998 Editio	on '^		
6. Identification	of Components Rep	aired or Replaced ar	nd Replaceme	ent Components:	1	Repaired,	ASME Code
Name of	Name of	Manufacturers	National	Other	Year	- ·	
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacemen	(Yes or No
Piping System	Bechtel	DB-1, EB-1,-5,& -6	. "`N/A ' _	Main Steam, Feedwater, Blowdown, Wet-Layup Recirc. & Aux. Feedwater Sys.	1975	Repaired/Repl aced	) ; No
Elbow	SGT-Aux. Feedwater	ES199601526-118	N/A	Elbow, Pipe, 4 in. 90 deg. Long Rad, Sch.80, Btt Wld, SA-234 Gr. WPB	2001	Replacement	No
valve	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Valve, 2 in., gate, 800#, ASME SA-105, Mark #19	2001 r.	Replacement	No No
· / Pipe	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Pipe, 2 in. Sch. 80, ASME SA-106 Gr. B	,2001	Replacement	- No
Flange	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Flange, 2 in., 150 lb., Raised Face, Sch.40, Socketweld, ASME SA105	2001	Replacement	No
Pipe Clamp Base	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe Anchor Base, 2 in. for PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	2001	Replacement	No
Pipe	SGT-Aux. Feedwater	ES199601526-118	N/A	Pipe, 4 in. Sch. 80, Carbon Steel, ASTM A-106 Grade B	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F- 22	2001	Replacement	No
Coupling	SGT-Blowdown	ES199601526-110	N/A	Coupling, 2 in., 3000 lb., Socketweld, ASTM A-182, Tp. F22	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 4 in. X 4 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Nut	SGT-Blowdown	ES199601526-110	N/A	Nut, Hex. Head, 1/2 in. X 13 TPI,	2001	Replacement	No

Eye	Nut	SGT-Blowdown	ES199601526-110	N/A	Eye Nut, Weldless, 1/2 in., Grinnell, Fig. 290N	2001	Replacement	No
Plate	, C.S.	SGT-Blowdown	ES199601526-110	` N/A	Plate, Steel, 1/2 in. X 48 in. X 96 in., ASTM-A36	2001	Replacement	No
An	gle	SGT-Blowdown	ES199601526-110	N/A	Angle, 1 in. X 1 in. X 1/4 in., ATSM A-36	2001	Replacement	No
Pipe (	Clamp	SGT-Blowdown	ES199601526-110	N/A <sup>***</sup>	Clamp, Pipe, 2 in., for use on Grinnell Fig. 295N, with Hardware	2001	Replacement	No
Sprin	g Can	SGT-Blowdown	ES199601526-110	N/A	Support, Variable Spring Can, Grinnell Figure # B-268N, Tp. A, Size 000	2001	Replacement	No
Fit	ting	SGT-Blowdown	ES199601526-110	N/A	Lateral, 2 in., 3000 lb., Socketweld, ASTM A-182 Gr. F22	2001	Replacement	No
Ell	oow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 45 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F- 22	2001	Replacement	No
Ell	- wo	SGT-Blowdown	_ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. Long Rad, Sch.80, Butt Weld, ASTM A- 234 Gr. WP22	2001	Replacement, _	No
An	ngle	SGT-Blowdown	ES199601526-110	N/A	Angle, 3 in. X 3 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Tube	Steel	SGT-Blowdown	ES199601526-110	N/A	Tube Steel, 3 in. X 3 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No
-	graphic lug	SGT-Main Steam	ES199601526-108	N/A	Plug, Radiographic, 1 1/4 in. ASTM A675, Gr. 80	2001	Replacement	` No
Pi	ipe,	SGT-Feedwater	ES199601526-109	N/A	Pipe, 16 in. Sch. 80, ASME SA- 335 Gr. P22	2001	Replacement	No
Eil	bow	SGT-Feedwater	ES199601526-109	N/A	Elbow, Pipe, 16 in. 90 deg. Long Rad, Sch.80; Butt Weld, ASME SA-234 Gr. WP22	2001	Replacement	No
	graphic lug	SGT-Feedwater,	ES199601526-109	N/A	Plug, Radiographic, 1 1/4 in. ASTM A739, Gr. B22	2001	Replacement	No
	entric lucer	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Reducer, Pipe, Concentric, 3 in. X 2 in., Sch. 80 ASTM A-234, Gr. WPB	2001	Replacement	No

#### 7. Description of Work:

This plan was for the work to be done to the Main Steam, Blowdown, Feedwater, Aux. Feedwater and the Wet-Layup Recirc. lines that were associated with the replacement of #12 Steam Generator.

8. Tests Conducted:	Hydrostatic [	Pneumat	ic:	Nominal Operating Pressure:	Inservice:	Leakage. 🗸	Functional:
	Pressure:	<u>890</u>	psi.	Test Temperature:	<u>532</u>	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-416-1 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. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

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: 8/2/2002  Owner or Owner's Designee, Title						
Signed:Date: 8/2/2002  Owner or Owner's Designee, Title						
Certificate of Inservice Inspection						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the						
components described in this Owner's Report during the period 2-11-02 to 6-28-02, 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.						
Lobert Commissions: WB8ZZ6 AUZ MD647  Inspector's Signature Commissions: WB8ZZ6 AUZ MD647  National Board, State, and Endorsements						
Date Regust 8, 200 Z						

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

1.0	Calvert Cliffs	Nuclear Power	Plant, Inc	c. Date: 8/1/20		·	•
1. Owner:		ame)	1° 4,	,			
1650 Calvert C	liffs Parkway;	Lusby, MD .20	657	Sheet 1 of 2		•	Way o
	· - (a	ddress) -					
2. Plant:	Calvert Cliff	s Nuclear Powe	r Plant	Unit: One			
2. Flain	(n	ame)					
1650 Calvert C		Lusby, MD 20	657	R&R No. SG-1-002d			01526
	(a	ddress)		Type Code Symb	O. no , job		-
3. Work Performe	d by: Calvert	Cliffs Nuclear P	ower Plar	Authorization No		· <u>IV/A</u>	
J. WOLK I CHOMM	(r	name)	* .	Exp Date: N/A	. —		
4650 Calvort C	liffe Parkway	Lusby, MD 206	57 -	Section XI Class:	~ .	ne	
- 1000 Calvert C		ddress)					
4. Identification o	f System: System	Number - 064	System Na	me:, Reactor Coolant S	ystem	- ·	* *******
5.(a) Applicable C	Construction Code a	and Class: ASME	B31.7 <sup>-</sup> 1	969 Edition, Summer 19	71 Add	i; Class One	T
	Sect XI Ed. for Repa			1998 Edit			
71-4:Castian a	f Components Pen	aired or Replaced an	nd Renlacem	ent Components:		· · · · · · · · · · · · · · · · · · ·	ASME
6. Identification of	of Components Rep	affect of Replaced in				Repaired,	Code
Name of	Name of	Manufacturers	National	Other	^ Year	Replaced, or	Stamped
•	Manufacturer	Serial Number	Board No.	Identification	×	Replacemen (	Yes or N
Piping System	Bechtel	1" & under CC-9	N/A	Reactor Cooling Sys. Instrumentation	1970	Repaired/Repl aced	No
Tubing	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Tubing, 3/4 in. X .065 Wall, ASME SA 213, Tp. 316	- 2001 	Replacement	No
2D Tubing	SGT-Reactor	ES199601526-112	N/A	Clamp, Tube, 3/4 in., 2 Directional, Mark #400, Girard	2001	Replacement	No
Clamp	Coolant Flow Indication	• • •	in the Benegative of extens	P/N 3/4T-SS-2D, A/SA 276 or 479 Tp. 304/316			<u>.</u>
Tubing Union	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Union, Tubing, 3/4 in. Swagelok, P/N SS-12-TSW-6, ASTM/ASME A/SA182 or A/SA479, Tp. 316	2001	Replacement	No
Pipe	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Pipe, 1in. Sch 80, ASME SA-376, TP-316	2001	Replacement	No
Fitting	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Fitting, 1 in. X 3/4 in. Pipe/Tubin Connector, Parker, P/N 12-1-AV	g 2001 /	Replacement	No
7. Description of	Work:			-			
This plan was	for the Reactor	Coolant System lacement of #12	Instrumen Steam Ge	tation Piping/Tubing and enerator.	support	s, one inch a	nd
8. Tests Conduct	ed: Hydrostatic:  Pressure:	Pneumatic⊞ N <u>N/A</u> psi.	ominal Operation	ng Pressure: Inservice: Leaks emperature: <u>N/A</u> Deg. I	_	unctional [	
	, 1035a10.	F					

-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: 8/1/2002  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 2-11-02 to 6-28-02, 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.
Lobut Laurence Commissions: NB8ZZGAWI MD647 Inspector's Signature National Board, State, and Endorsements
Date Cinquist 8, 200 Z
${\cal U}$

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

1. Owner:	Calvert Cliffs	Nuclear Pow	er Plant, In	c. Date: 8/1/20	02	
	(n	ame)				
1650 Calvert C	Cliffs Parkway;		0657 : :	Sheet 1 of 3	* ·	
المراجعة الم	. (a	ddress)		eranisa a se	⊤ فاما يعدد	
2. Plant:		s Nuclear Pow	er Plant	Unit: One		. <del>-</del>
1650 Calvert (	Cliffs Parkway;	•	0657	R&R No. SG-1-002e	, ESP No. ES199	601526
	(a	ddress)		(P.	O. no., job no , etc ) 🔩	
3. Work Perform	eu vy	Cliffs Nuclear	Power Plan	Type Code Symbol Authorization No.	<del>-</del>	
ı	(n	ame)	7	Exp Date: N/A		
1650 Calvert (	Cliffs Parkway,	Lusby, MD 20	657 👈 📐	Section XI Class:	One & Two	1
4. Identification		•	_System Na	me: Steam Generator I	Replacement	
5. (a) Applicable	Construction Code a	nd Class: AISC	C, Manual c	of Steel Construction, 6t	h Ed. 1963	,
(b) Applicable	Sect XI Ed. for Repa	irs/Replacement	F * * * * * * * * * * * * * * * * * * *	1998 Editi	on	*
c 73[:6:ii	of Components Repa	ired or Deplaced	and Renlaceme	ent Components: 3	· · · · · · · · · · · · · · · · · · ·	4 C3 EE
6. Idenniication	of Comboneins Keb	ined of Replaced		The Components	Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Replaced of Built Replacemen	s Stamped
Comp. Support	Combustion Engineering	N/A	N/A	#12 Steam Generator Snubber and Sliding Base	1970 Repaired/Re	pl - No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, Steel 1/4 in. ASME SA-36	2001 Replacement	No
Stud	SGT-Steam Generator Supports	ES199601526-107	N/A	Stud, 2 1/4 in. X 14 in. X 4 1/2 TPI, ASTM A-193, Gr. B7	2001 Replacement	No
Nut	SGT-Steam Generator Supports	ES199601526-107	N/A	Nut, Heavy Hex, 2 1/4 in. X 4 1/2 TPI, ASTM A-194 Gr. 7	2001 Replacement	No
Nut	SGT-Steam Generator Supports	ES199601526-107	N/A	Washer, 2 1/4 in., Circular Hardened, ASME SA-193 Gr. B7	~ 2001 Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, 1/2 in., ASTM B-22, Tp. E	2001 Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, Shim, AISI 4140, 125 RMS Finish, Heat-Treat to RC-40	2001 Replacement	No
Capscrew	SGT-Steam Generator Supports	ES199601526-107	N/A	Capscrew, 1/2 in. X 13 TPI, UNC 3A, Socket-Head, Countersunk per ASTM F-835	2001 Replacement	No No
7 Desainties of	: Work					
7. Description of This plan was	for the work on t	he Sliding base	e and the br	ackets that hold #12 Stea	m Generator in pl	ace.
8. Tests Conduct			Nominal Operation	ng Pressure. Inservice. Deakagemperature: <u>N/A</u> Deg. F	ge Functional.	
	Pressure:	<u>N/A</u> psi.	1621 16	imperature Deg. 1	I	

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 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: 8/1/2002  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 Z-11-0Z to 6-28-0Z, 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.
Robot Lawrence Commissions: NR8226 ANE MD647 National Board, State, and Endorsements
Date lugust 8 200 Z

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

		<u> </u>				
1. Owner: Calvert	Cliffs Nuclear Powe	r Plant, İnc.	Date:	8/1/2002		
1650 Calvert Cliffs Park	(name) way; Lusby, MD 20	1657	Sheet 1 of	2		
-	(address)	, ,			rada#r N va	~ *
Calvor	t Cliffs Nuclear Powe	er Plant	,	One.	•	
2. Plant: Calver	(name)		Unit:	One,		
t.	` ,		D0DN 004	one Fort	. F04000	4200
1650 Calvert Cliffs Park	way; Lusby, MD 20	0657	R&R No. SG-1			1526
	(address)	•		(P.O. no , job	*	-
3. Work Performed by: Ca	lvert Cliffs Nuclear P	ower Plant De	:DL *-	e Symbol Stamp	: <u>N/A</u>	
3. Work Performed by:	(name)		—— Authoriza	tion No.: N/A		
			Exp Date:	<u> </u>	,	
1650 Calvert Cliffs Park	* -	557	Section X	I Class: O	ne	
	(address)	a a contrata				
4. Identification of System:	System Number 064	System Name:	Reactor Coo	lant System		
5.(a) Applicable Construction	Code and Class: ASMI	E B31.7 1969	Edition, Summ	ner 1971 Add	; Class One	) i .
(b) Applicable Sect XI Ed. f	or Repairs/Replacement	· · ·	1998	3 Edition		
6. Identification of Componer	nts Repaired or Replaced ar	nd Replacement Co	omponents:	* **	Danainad	ASME
Name of Name of	Manufacturers	National	Other	Year	Repaired, Replaced, or	Code
Componet Manufactur	_	Board No.	Identification	Built	•	•
Piping System Bechtel	1" & under CC-9		tor Cooling Sys.	1970	Repaired/Repl aced	No
7. Description of Work:	and District	-/Tubing and a	unnaria ana in	ah and under	work to sun	· ·
This plan was for the Rea the replacement of the S		g/Tubing and Si		on and under	, work to sup	port
8. Tests Conducted: Hydrosta Pres	tic: Pneumatic: No	ominal Operating Press Test Temper		Leakage: Fu	enctional:	

9. Remarks:

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

30	a see The
We certify that the statements made in this report are correct and that rules of the ASME Code, Section XI.	ce t this Repair/Replacement conforms to the
Type Code Symbol Stamp: <u>N/A</u> Certificate of Authorization No.: <u>N/A</u> Expiration Date: <u>N/A</u>	
	Charles H. Ballard gineering Technician  Date: 8/1/2002
Certificate of Inservice Insp	ection '
I, the undersigned, holding a valid commission issued by the National Boa and the State of Maryland and employed by Factory Mutual Insurance Co. of components described in this Owner's Report during the period Z-//-0 best of my knowledge and belief, the Owner has performed examinations and Owner's Report in accordance with the requirements of the ASME Code, Sec By signing this certificate neither the Inspector nor his employer make 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 da connected with this inspection.	f Johnston, RI have inspected the
Lobut Warrene Commissions: WB &  Inspector's Signature  Date: Queust 8, 200 2	National Board, State, and Endorsements

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

, .	Calvert Cliffs Nuclear Po	wer Plant Inc	Date: 6/21/2002
1. Owner:	(name)	WCI I latti, illo.	Date: 6/21/2002,
1650 Calvert Cl	iffs Parkway; Lusby, MD	20657	Sheet 1 of 2
2. Plant: 5	Calvert Cliffs Nuclear Po	ower Plant	Unit: Common
1650 Calvert Cl	iffs Parkway; Lusby, MD	20657 R&F	R No. SNUB-0-002, MWO No. SNUB POOL
	(address)		(P.O. no, job no., etc.)
3. Work Performed	by: Calvert Cliffs Nuclea	ar Power Plant Dept.	Type Code Symbol Stamp: <u>N/A</u> Authorization No.: <u>N/A</u> Exp Date: <u>N/A</u>
1650 Calvert Cl	iffs Parkway, Lusby, MD	20657	Section XI Class: 1, 2, & 3
4. Identification of	(address) - System: System Number 065	B System Name: Se	eismic Snubbers
5. (a) Applicable Co		•	d, 1972 Add, B31.7 1969 Ed, Sum. 1971
(b) Applicable Se	ct XI Ed. for Repairs/Replacemen	•	ng. Spec 8067-487-503 1998 Edition
Name of	Components Repaired or Replace  Name of Manufacturers  anufacturer Serial Number	National	Other Year Replaced, or Stamped tification Built Replacement (Yes or No)
Snubber Pool	Grinnell Snubber Pool	N/A Hydraulic Sho	
i Snubber	Corporation Grinnell 59013-GX SN: 3: Corporation		aced Shock and Sway 1991 Replacement No or, 2-1/2" Bore by 5" g. 200
added to the Sn	r the continued control of th ubber Pool per Section XI 1	998, IWA-4132, Items	ocumentation of new components/parts- Rotated From Stock. This Plan was for all e end of Unit #1, 2002 outage.
8. Tests Conducted	* * * * *	Nominal Operating Pressure.  Test Temperature	Inservice: Leakage: Functional ·
NOTE: Complete		•	
NOIE: Suppleme	entai sneets in form of lists, sk	etenes, or drawings may	be used, provided (1) size is 8-1/2 in. x 11 in.,

9. Remarks:

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

Applicable Wallufactator's Data Reports to be Mitabled
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 or Owner's Designee, Title  Date: 6/21/2002
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the
components described in this Owner's Report during the period 5-23-01 to 6-21-02, 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.
Pobert Waurence Commissions: UB 8226 AVI MD647 Inspector's Signature National Board, State, and Endorsements
Date: Cugust 20, 2002