### **ENCLOSURE (1)**

BALTIMORE GAS AND ELECTRIC COMPANY
INSERVICE INSPECTION SUMMARY REPORT
FOR CALVERT CLIFFS UNIT 2

ASME BOILER AND PRESSURE VESSEL CODE SECTION XI, FORM NIS-1

### NIS-1

## OWNER'S REPORT FOR INSERVICE INSPECTIONS

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

1. Owner Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

(Name and Address of Owner)

2. Plant Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

(Name and Address of Plant)

3. Plant Unit

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

1) N/A

2

5. Commercial Service Date

04/01/1977

6. National Board Number for Unit

20912

#### 7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Pressure Vessel/Containment	Combustion Engineering	CE-67108	14001-NV	20912
Pressurizer	Combustion Engineering	CE 67603	14001-NV	20916
Steam Generator #21	Combustion Engineering	CE 67506	14001-NV	20924
Steam Generator #22	Combustion Engineering	CE 67507	14001-NV	20925
Reactor Coolant Pioing/Supports	Combustion Engineering	N/A	N/A	N/A
#21A Reactor Coolant Pump	Byron Jackson	681-N-0441	14001-NV	N/A
#21B Reactor Coolant Pump	Byron Jackson	681-N-0442	14001-NV	N/A
#22A Reactor Coolant Pump	Byron Jackson	681-N-0443	14001-NV	N/A
#22B Reactor Coolant Pump	Byron Jackson	681-N-0444	14001-NV	N/A
Safety Injection Piping/Supports	Bechtel	N/A	N/A	N/A
Pressurizer Spray Piping/Supports	Bechtel	N/A	N/A	N/A
Shutdown Cooloing Piping/Supports	Bechtel	N/A	N/A	N/A
Pressurizer Safety & Relief 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
Main Steam Piping/Supports	Bechtel	N/A	N/A	N/A
Feedwater Piping/Supports	Bechtel	N/A	N/A	N/A
Regenerative Heat Exchanger	Whitlock	75252	56442 NV	N/A

### NIS-1

### CERTIFICATE OF INSERVICE INSPECTION

MARYLAND and employed by F. HORWOOD MA 6-30-97 10 5-6-99	have inspected the components described in this Owner's Report during the peroid
NORWOOD MA	have inspected the components described in this Owner's Report during the peroid
6-30-97 10 5-6-99	, and state that to the best of my knowledge and belief, the Owner has performed
	ibed in this Owner's Report in accordance with the inspection plan and as required by the ASME
ode, Section XI.	
By signing this certificate weither the Inspector nor his em	ployer makes and any warranty, expressed or implied, concerning the examinations, tests, and hermore, neither the Inspector nor his employer shall be liable in any manner for any personal or connected with this inspection.
By signing this certificate treither the Inspector nor his emperentive measures described in this Owner's Report. Furtifury or property damage or a loss of any kind arising from	hermore, neither the Inspector nor his employer shall be liable in any manner for any personal or connected with this inspection.  Commissions WB8226 ANT, MO647
By signing this certificate neither the Inspector nor his em- prective measures described in tais Owner's Report. Furt- ijury or property damage or a loss of any kind arising from	hermore, neither the Inspector nor his employer shall be liable in any manner for any personal or connected with this inspection.



### Inservice Inspection Report

3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, N.O. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

-- / --

INTERIOR ATTACHMENTS AND CORE SUPPORT STRUCTURES

Component ID

Component Description

Comments

Summary/ID No. 101362

NOZZLES

CHARGING INLET, SAFETY INJECTION AND SURGE NOZZLES

Exam Results

99VE034

Accept

Accept

Accept

INTERIOR SURFACES AND CORE SUPPORT STRUCTURES

Summary/ID No. 101361

Component ID

CORE SHROUD WELDS **CSW WELDS NEAR FUEL AREA** 

Component Description

Comments

Exam Results

99VE033

**EXAM CATEGORY / ITEM NUMBER:** 

B-A / B-RF012

**RPV CIRC WELDS** 

Summary/ID No. 001000

Component ID

Component Description

UPPER TO MIDDLE SHELL

Comments

ONE AUTSLIC40 INDICATION WAS SIZED WITH AUTSLIC20 AND AUTSLIC35 SEARCH UNITS AND FOUND ALLOWABLE IN ACCORDANCE WITH IWB-3510-1. SEE CNF BGE001. D70187-2/D70389-1

Exam Results

99VE001

EXAM CATEGORY / ITEM NUMBER:

B-A / B1.11

RPV CIRC WELDS

Summary/ID No. 001020

Component ID

10-203

Component Description

LOWER SHELL TO LOWER HEAD

Comments

LIMITED EXAM DUE TO PROXIMITY OF CORE SUPPORT LUGS AND FLOW SKIRT. TWO AUTSLIC40 INDICATIONS WERE SIZED WITH AUTSLIC20, AUTSLIC35 AND AUTSLIC40 SEARCH UNITS AND FOUND ALLOWABLE IN ACCORDANCE WITH IWB-3510-1. SEE CNF BGE002. D70187-2/D70389-1.

Exam Results

99VE003

Accept

001010

9-203

MIDDLE TO LOWER SHELL

Exam Results

99VE002



## Inservice Inspection Report

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Reg.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-A / B1.12

**RPV LONG WELDS** 

Summary/ID No. 001170 Component ID 3-203B

Component Description
LOWER SHELL AT 210 DEG.

Comments

Exam Results

99VE011

Accept

Accept

001180

001160

3-203C

LOWER SHELL AT 330 DEG.

LOWER SHELL AT 90 DEG.

Exam Results

99VE012

3-203A

LIMITED EXAM DUE TO PROXIMITY OF SURVEILLANCE SPECIMEN TUBES. ONE AUTSLIC40 INDICATION WAS SIZED WITH AUTSLIC30 AND AUTSLIC40 SEARCH UNITS AND

FOUND ALLOWABLE IN ACCORDANCE WITH IWB-3510-1. SEE CNF BGE006. D70187-2/D70389-1.

Exam Results

99VE010

Accept

001140

2-203B

MIDDLE SHELL AT 150 DEG.

Exam Results

99VE008

2-203C

Accept

001150

MIDDLE SHELL AT 270 DEG.

ONE AUTSLIC40 INDICATION WAS SIZED WITH AUTSLIC30 AND AUTSLIC40 SEARCH UNITS AND FOUND ALLOWABLE IN ACCORDANCE WITH IWB-

3510-1. SEE CNF005. D70187-2/D70389-1.

Exam Results

99VE009

Accept

001130

2-203A

MIDDLE SHELL AT 30 DEG.

TWO AUTSLIC40 INDICATIONS WERE SIZED WITH AUTSLIC35 AND AUTSLIC40 SEARCH UNITS AND FOUND ALLOWABLE IN ACCORDANCE WITH IWB-3510-1. SEE CNF BGE004. D70187-2/D70389-1.

Exam Results

99VE007

Accept

001110

1-203B

UPPER SHELL AT 210 DEG.

ONE AUTSLIC40 INDICATION WAS SIZED WITH AUTSLIC20 AND AUTSLIC35 SEARCH UNITS AND FOUND ALLOWABLE IN ACCORDANCE WITH IWB-3510-1. SEE CNF BGE003. D70187-2/D70389-1.

Exam Results

99VE005

Accept

001120

1-203C

UPPER SHELL AT 330 DEG

Exam Results

99VE006

## Inservice Inspection Report

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Reg.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

001100

1-203A

UPPER SHELL AT 90 DEG

Exam Results

99VE.004

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-A / B1.21

**RPV CIRC HEAD WELDS** 

Summary/ID No.

Component ID

Component Description

LOWER HEAD DOME WELD

Comments

001190 Exam Results

4-204 99VE013

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-A / B1.22

**RPV MERIDIONAL WELDS** 

Summary/ID No.

Component ID

Component Description

LOWER HEAD AT 30 DEG.

Comments

LIMITED TRANSVERSE AND PARRALLEL EXAMS

DUE TO PROXIMITY OF FLOW SKIRT.

Exam Results

001210

99VE014

1-204A

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-A / B1.30

RPV SHELL TO FLANGE WELD

Summary/ID No.

Component ID

7-203

Component Description FLANGE TO UPPER SHELL Comments

LIMITED TRANSVERSE EXAM DUE TO THE INSIDE

SURFACE TAPER.

Exam Results

001270

99VE015



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-D / B3,100

**RPV NOZZLE IRS** 

Summary/ID No. 101300

Component ID 4-205B-IRS

Component Description

Comments

Exam Results

99VE025

Accept

101310

4-205C-IRS

INLET NOZZLE AT 240 DEG.

INLET NOZZLE AT 120 DEG.

Exam Results

99VE026

Accept

101320

INLET NOZZLE AT 300 DEG.

Exam Results

99VE027

Accept

101290

4-205A-IRS

4-205D-IRS

INLET NOZZLE AT 60 DEG.

Exam Results

99VE024

Accept

101270

101280

10-205A-IRS

OUTLET NOZZLE AT 0 DEG.

Exam Results

99VE022

Accept

10-205B-IRS

**OUTLET NOZZLE AT 180 DEG.** 

Exam Results

99VE023



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

4. Owner Certificate of Authorization (If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-D / B3.90

RPV NOZZLE TO SHELL WELDS

Summary/ID No.

Component ID

Component Description

Comments

101240

4-205B

INLET NOZZLE AT 120 DEG

LIMITED EXAM DUE TO NOZZLE INNER RADIUS.

Exam Results

101250

99VE019

Accept

4-205C

INLET NOZZLE AT 240 DEG.

TRANSVERSE EXAM LIMITED DUE TO NOZZLE

INNER RADIUS.

Exam Results

99VE020

Accept

101260 4-205D

INLET NOZZLE AT 300 DEG

LIMITED TRANSVERSE EXAM DUE TO PROXIMITY

OF NOZZLE INNER RADIUS.

Exam Results

99VE021

4-205A

Accept

101230

INLET NOZZLE AT 60 DEG

LIMITED TRANSVERSE EXAM DUE TO PROXIMITY OF NOZZLE INNER RADIUS. ONE AUTSLIC40

INDICATION WAS SIZED WITH AUTSLIC20 AND AUTSLIC35 AND FOUND ALLOWABLE IN ACCORDANCE WITH IWB-3512-1. SEE CNF **BGE007** 

D70187-2/D70389-1/CC-39

Exam Results

99VE018

Accept

101210

10-205A

OUTLET NOZZLE AT 0 DEG.

LIMITED TRANSVERS EXAM DUE TO THE

INTEGRAL EXTENSION.

Exam Results

99VE016

Accept

Accept

101220

10-205B

**OUTLET NOZZLE AT 180 DEG** 

LIMITED TRANSVERSE EXAM DUE TO THE

INTEGRAL EXTENSION.

Exam Results

99VE017

**EXAM CATEGORY / ITEM NUMBER:** 

B-E / B4.12

PARTIAL PENETRATION WELDS

Summary/ID No. 101610

Component ID CRD NOZZLES Component Description CONTROL ROD DRIVE NOZZLES Comments

Exam Results

99BV336

#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-E / B4.13

PARTIAL PENETRATION WELDS

Summary/ID No.

Component ID

Component Description

INSTUMENTATION NOZZLES

Comments

101620 **INSTRUMENT NOZZLES** Exam Results

99BV387

Accept

EXAM CATEGORY / ITEM NUMBER:

B-G-1 / B6.180

RCP-21A

Summary/ID No. 162220

Component ID

21A-S-1-16

Component Description RCP-21A STUDS

Comments

Exam Results

99BU011

Accept

RCP-22A

Summary/ID No. 162620

Component ID

22A-S-1-16

Component Description

RCP-22A STUDS

Comments

Exam Results

99BU012

Accept

Accept

RCP-22B

Surnmary/ID No. 162820

Component ID 22B-S-1-16

Component Description RCP-22B STUDS

Comments

Exam Results

99BU013

REACTOR COOLANT PUMP

Summary/ID No. 162420

Component ID 21B-S-1-16

Component Description RCP-21B STUDS

Comments

Exam Results

99BU003

#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Flant Unit:

2

4. Owner Certificate of Authorization( If Reg.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-G-1 / B6.190

REACTOR COOLANT PUMP

Summary/ID No.

Component ID

Component Description

RCP-21B FLANGE SURFACE

Comments

162425 Exam Results

99BV137

RCP-21B

Accept

Accept

REACTOR COOLANT PUMPS

Summary/ID No. 162825

Component ID

RCP-22B

Component Description RCP-22B FLANGE SURFACE Comments

Exam Results

99BV138

EXAM CATEGORY / ITEM NUMBER:

B-G-1 / B6.200

RCP-21A

Summary/ID No. 162230

Component ID 21A-N-1-16

Component Description RCP-21A NUTS

Comments

Comments

Exam Results

99BV349

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-G-1 / B6.40

**RPV THREADS IN FLANGE** 

Summary/ID No.

Component ID

54 FLANGE THREADS

Component Description FLANGE THREADS

Exam Results

101335

99VE028

Accept

EXAM CATEGORY / ITEM NUMBER:

B-G-2 / B7.50

2.5-SR-2007

Summary/ID No. 164945

Component ID

2FB

Component Description INLET FLANGE BOLTING @ 2-RV-200 Comments

Exam Results

Accept

99BV391

2.5-SR-2008

Summary/ID No. 164955

Component ID

Component Description

INLET FLANGE BOLTING @ 2-RV-201

Comments

Exam Results

99BV392

2FB

# BGE

#### ATTACHMENT 1

## Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)5. Commercial Service Date:

N/A

6. National Board Number for Unit:

04/01/1977 20912

EXAM CATEGORY / ITEM NUMBER:

B-G-2 / B7.60

RCP-21A

Summary/ID No.

Component ID 21A-C-1-16

Component Description
RCP-21A SEAL BOLTING

Comments

162250 Exam Results

99BV348



## Inservice Inspection Report

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit

N/A

4. Owner Certificate of Authorization( If Req.)

04/01/1977

5. Commercial Service Date:6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-J / B9.11

30-RC-21A

Summary/ID No.

Component ID

Component Description

Comments

109440

12

ELBOW TO TRANSITION PIECE

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE045

Accept

109450 13

TRANSITION PIECE TO NOZZL

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE046

Accept

30-RC-21B

Summary/ID No. 110430 Component ID

omponent iD

Component Description

**ELBOW TO TRANSITION PIECE** 

Comments

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE049

Accept

110440

13

TRANSITION PIECE TO NOZZL

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE050

Accept

30-RC-22A

Summary/ID No. 111420 Component ID

12

Component Description

**ELBOW TO TRANSITION PIECE** 

Comments

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE053

Accept

111430

13

TRANSITION PIECE TO NOZZL

UT PERFORMED IN LIEU OF MT AS ALLOWED BY

NRC RELIEF REQUEST.

Exam Results

99VE054

Accept

30-RC-22B

Summary/ID No. 112430 Component ID

12

Component Description

**ELBOW TO TRANSITION PIECE** 

Comments

UT PERFORMED IN LIEU OF MT AS ALLOWED BY

NRC RELIEF REQUEST.

Exam Results

99VE059 Accept

112440

13

TRANSITION PIECE TO NOZZL

UT EXAM PERFORMED IN LIEU OF MT

Exam Results

#### Inservice Inspection Report 3/3/2

1. Owner:

2. Plant:

3. Plant Unit:

4. Owner Certificate of Authorization( If Req.)

5. Commercial Service Date:

6. National Board Number for Unit:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203 Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

2 N/A

04/01/1977

20912

99VE060

Accept

42-RC-21

Summary/ID No. 107020

Component ID

Component Description

TRANSITION PIECE TO PIPE

Comments

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE036

Accept

Accept

42-RC-22

Summary/ID No. 108010

Component ID

Component Description

NOZZLE TO TRANSITION PIECE

Comments

UT EXAM PERFORMED IN LIEU OF MT

Exam Results

99VE039

108020

2

TRANSITION PIECE TO PIPE

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE040 Accept

**REACTOR COOLANT - 42-RC-21** 

Summary/ID No. 107010

Component ID

1

NOZZLE TO TRANSITION PIECE

Component Description

Comments

UT EXAM PERFORMED IN LIEU OF MT

Exam Results

99VE035

Accept

SAFETY INJECTION

Summary/ID No. 116130

Component ID

Component Description PIPE TO VALVE 2-SI-227

Comments

Examination requested by Mechanical Design.

Exam Results

99BU038

Accept

118060

7

PIPE TO VALVE 2-SI-247

Examination requested by Machanical Design

Exam Results

99BU028

Accept

SAFETY INJECTION SYSTEM

Summary/ID No. 116140

Component ID 8

Component Description VALVE 2-SI-227 TO ELBOW Comments

Examination requested by Mechanical Design.

Exam Results

99BU027

Accept

8

VALVE 2-SI-247 TO ELBOW

Examination requested by Mechanical Design.

Exam Results

118070

99BU029

## BG

#### ATTACHMENT 1

Inservice Inspection Report

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

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## Inservice Inspection Report

1. Owner:			Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203			
2. Plant:			Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702  N/A			
3. Plant Un	it:					
4. Owner C	ertificate of A	uthorization( If Req.)				
Commercial Service Date:     National Board Number for Unit:		04/01/1977				
		20912				
EXAM CATE	GORY / ITI	EM NUMBER:	B-J / B9.12			
30-RC-21A						
Summary/ID No. 109420	Component ID 12LU-1		Component Description LONGITUDINAL SEAM	Comments  UT WAS PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.		
Exam Results	99VE043	Accept				
109430	12LU-2		LONGITUDINAL SEAM	UT WAS PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.		
Exam Results	99VE044 Accept					
30-RC-21B						
Summary/ID No. 110410	Compone 12LU-1	ent ID	Component Description LONGITUDINAL SEAM	Comments UT WAS PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.		
Exam Results	99VE047	Accept				
110420	12LU-2		LONGITUDINAL SEAM	UT WAS PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.		
Exam Results	99VE048	Accept				
30-RC-22A						
Summary/ID No. 111400	Component ID 12LU-1		Component Description LONGITUDINAL SEAM	Comments  UT WAS PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.		
Exam Results	99VE051	Accept				
111410	12LU-2		LONGITUDINAL SEAM	UT WAS PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.		
Exam Results	99VE052	Accept				
30-RC-22B						
Summary, 1D No.	Compone	ent ID	Component Description	Comments  LIT PERFORMED IN LIEU OF MT AS ALL OWED BY		

#### 30-

112410

12LU-1

Component Description LONGITUDINAL SEAM

UT PERFORMED IN LIEU OF MT AS ALLOWED BY NRC RELIEF REQUEST.

Exam Results

99VE055 Accept

#### Inservice Inspection Report 3/3/2

1.	Owner:
2.	Plant:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702 2

3. Plant Unit: 4. Owner Certificate of Authorization (If Reg.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

112420

12LU-2

LONGITUDINAL SEAM

UT PERFORMED IN LIEU OF MT AS ALLOWED BY

NRC RELIEF REQUEST.

Exam Results

99VE056

Accept

42-RC-21

Summary/ID No. 107030

Component ID

2LD-1

Component Description

LONGITUDINAL SEAM

Comments

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE037

Accept

107040

2LD-2

LONGITUDINAL SEAM

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE038

Accept

42-RC-22

Summary/ID No. 108030

Component ID

2LD-1

Component Description

LONGITUDINAL SEAM

Comments

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE041

Accept

108040

2LD-2

LONGITUDINAL SEAM

UT WAS PERFORMED IN LIEU OF MT AS ALLOWED

BY NRC RELIEF REQUEST.

Exam Results

99VE042

Accept

**REACTOR COOLANT SYSTEM - 30-RC-21B** 

Summary/ID No. 110330

Component ID

10LD-2

Component Description

LONGITUDINAL SEAM

Comments

Exam Results

99BU019

Accept

99BM022



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization (If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-J / B9.21

2-CV-2018

Summary/ID No.

Component ID

Component Description

Comments

155220

18

PIPE TO PIPE

Exam Results

99BP021

Accept

2-LD-2004

Summary/ID No.

Exam Results

Component ID

Component Description

TEE TO PIPE

Comments

161320

Accept

99BP171

3-PS-2002

138080

Summary/ID No.

Component ID 7

Component Description **ELBOW TO PIPE** 

Comments

Exam Results

99BP012

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-L-1 / B12.10

RCP-21B

162400

Summary/ID No.

Component ID

21B

Component Description

RCP-21B PUMP CASING WELDS

Comments

Exam Results

99BP037

Accept

99BV114

Reject

Evaluation Disposition: Acceptable

RCP-22A

162600

Summary/ID No.

Component ID

Component Description

RCP-22A PUMP CASING WELDS

RCP-22B PUMP CASING WELDS

Comments

Exam Results

99BP013

Accept

99BV013

Accept

RCP-22B

162800

Summary/ID No.

Component ID

22B

Component Description

Comments

Exam Results

99BV012

Accept

99BP011



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

4. Owner Certificate of Authorization( If Req.)

2 N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-L-2 / B12.20

REACTOR COOLANT PUMPS

Summary/ID No.

Component ID

Component Description

Comments

162810

RCP-22B

PUMP CASING INTERNAL SURFACE

Exam Results

99BV388

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-N-1 / B13.10

INTERIOR SURFACES AND CORE SUPPORT STRUCTURES

Summary/ID No. 101340

Component ID

Component Description VESSEL INTERIOR VESSEL INTERIOR

Comments

Exam Results

99VE061 Accept

EXAM CATEGORY / ITEM NUMBER:

B-N-2 / B13.50

INTERIOR SURFACES AND CORE SUPPORT STRUCTURES

Summary/ID No. 101345

Component ID

Component Description INTERIOR ATTACHMENTS WITHIN BELTLINE REGION Comments

Exam Results

99VE030

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-N-2 / B13.60

INTERIOR SURFACES AND CORE SUPPORT STRUCTURES

Summary/ID No.

Component ID

Component Description

INTERIOR ATTACHMENTS BEYOND BELTLINE REGION

CORE SUPPORT STRUCT CORE SUPPORT STRUCTURE

Exam Results

101350

99VE031

Accept

EXAM CATEGORY / ITEM NUMBER:

B-N-3 / B13.70

INTERIOR SURFACES AND CORE SUPPORT STRUCTURES

Summary/ID No.

Component ID

Component Description

Comments

Comments

101360 Exam Results

99VE032



## Inservice Inspection Report

1. Owner:

Baltimore Gas and Flectric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization (If Reg.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-0 / B14.10

CRD- REACTOR PRESSURE VESSEL

Summary/ID No.

Component ID

Component Description

Comments

102180

CRD HOUSINGS

PEREPHERAL CRD HOUSING

**EXAMINED CRDs IN ACCORDANCE WITH ISI** 

RELIEF REQUEST #3.

Exam Results

99BP022

Accept

**EXAM CATEGORY / ITEM NUMBER:** B-P / 315.11

REACTOR VESSEL PRESSURE RETAINING BOUNDARY

Summary/ID No.

Component ID RV-HT-1

Component Description HYDROSTATIC TEST

Comments

Exam Results

165010

99BV339

Accept

EXAM CATEGORY / ITEM NUMBER:

B-P / B15.31

STEAM GENERATOR PRESSURE RETAINING BOUNDARY

Summary/ID No.

Component ID

SG-HT-1

Component Description

HYDROSTATIC TEST

Exam Results

165050

99BV343

Accept

**EXAM CATEGORY / ITEM NUMBER:** B-P / B15.41

HEAT EXCHANGER PRESSURE RETAINING BOUNDARY

Summary/ID No. 165070

Component ID

HX-HT-1

Component Description HYDROSTATIC TEST

Comments

Comments

Exam Results

99BV344

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.51

PIPING PRESSURE RETAINING BOUNDARY

Summary/ID No. 165090

Component ID

PP-HT-1

Component Description HYDROSTATIC TEST

Comments

Exam Results

99BV345



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

B-P / B15.61

PUMP PRESSURE RETAINING BOUNDARY

Summary/ID No. 165110

Component ID PMP-HT-1

Component Description HYDROSTATIC TEST

Comments

Exam Results

99BV346

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

B-P / B15.71

PRESSURE RETAINING BOUNDARY

Summary/ID No. 165130

Component ID VLV-HT-1

Component Description HYDROSTATIC TEST

Comments

Exam Results

99BV347

Accept

EXAM CATEGORY / ITEM NUMBER:

C-A / C1.10

REGENERATIVE HEAT EXCHANGER

Summary/ID No.

Component ID

202800 RHE-16 Component Description TEE TO SHELL

Comments COVERAGE LIMITED DUE TO CONFIGURATION.

Exam Results

99BU041

Accept

EXAM CATEGORY / ITEM NUMBER: C-A / C1.20

REGENERATIVE HEAT EXCHANGER

Summary/ID No. 202750

Component ID

Component Description RHE-15

TEE TO CAP

END CAP WELD LIMITED DUE TO CONFIGURATION.

Exam Results

99BU040

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

C-A / C1.30

REGENERATIVE HEAT EXCHANGER

Summary/ID No. 203200

Component ID RHE-23

Component Description TUBE SHEET TO REDUCER Comments

COVERAGE LIMITED DUE TO REDUCER CONFIGURATION ON DOWNSTREAM SIDE.

Exam Results

99BU039



## Inservice Inspection Report

1. Owner: 2. Plant: 3. Plant Unit:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

2

4. Owner Certificate of Authorization (if Reg.)

5. Commercial Service Date:

6. National Board Number for Unit:

N/A

04/01/1977

20912

**EXAM CATEGORY / ITEM NUMBER:** 

C-C / C3.20

14-SC-2003

Summary/ID No. 272950

Component ID

R-6X

Component Description

INTEGRAL ATTACHMENT

Comments

Limited exam due to configuration and interference.

Exam Results

99BP207

Accept

16-FW-2018

Summary/ID No. 291700

Component ID

Component Description

INTEGRAL ATTACHMENT

Comments

UT WAS PERFORMED TO SUPPLEMENT SURFACE

EXAM FOR COVERAGE.

Exam Results

99BM015 Accept

MAIN STEAM SYSTEM

Summary/ID No. 287750

Component ID

H-8

Component Description

INTEGRALLY WELDED ATTACHMENT

Comments

Exam Results

99BU015

Accept

Exam Results

288750

H-5

99BU016

Accept

INTEGRALLY WELDED ATTACHMENT Limited due to configuration.

SAFETY INJECTION SYSTEM

Summary/ID No. 216250

Component ID

R-18

Component Description

INTEGRALLY WELDED ATTACHM

Comments

Exam Results

99BU053

Accept

216450

R-14

INTEGRALLY WELDED ATTACHM

Limited due to pipe clamp co. fire like

Exam Results

99BU054

Accept

217250

R-19

INTEGRALLY WELDED ATTACHM

UT was performed to supplement surface exam.

Exam Results

99BU061

Accept

223400

H-18

INTEGRALLY WELDED ATTACHM

UT to supplement surface exam.

Exam Results

99BU059

Accept

H-3

INTEGRALLY WELDED ATTACHM

UT to supplement surface exam.

Exam Results

231000

99BU064

# BGE

#### ATTACHMENT 1

## Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

	99BU065	Accept		
237125	H-6		INTEGRALLY WELDED ATTACHM	
Exarr. Results	99BU052	Accept		
		, пообр		
239625	H-13		INTEGRALLY WELDED ATTACHM	UT WAS PERFORMED TO SUPPLEMENT PT TO ATTEMPT TO ACHIEVE GREATER COVERAGE.
Exam Results				
	99BU051	Accept		
245375	H-12, R-10		INTEGRALLY WELDED ATTACHM	
Exam Results				
	99BU057	Accept		
246025	H-9, R-7		INTEGRALLY WELDED ATTACHM	
Exam Results				
	99BU060	Accept		

246575

H-1, R-1

INTEGRALLY WELDED ATTACHM

Exam Results

99BU056

Accept

EXAM CATEGORY / ITEM NUMBER: C-F-1 / C5.30

2-\$1-2035

Summary/ID No. 256300

Component ID

Component Description

ELBOW TO PIPE

Exam Results

3 99BP206

Accept

256250

2

PIPE TO ELBOW

Exam Results

99BP205 Accept

**EXAM CATEGORY / ITEM NUMBER:** 

C-H / C7.10

PRESSURE RETAINING BOUNDARY

Summary/ID No. 293950 Component ID
PV-SLT-1

Component Description
SYSTEM LEAKAGE TEST

Comments

Comments

Exam Results

99BV351

#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization (If Req.)

NA

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

C-H / C7.30

PRESSURE RETAINING BOUNDARY Summary/ID No.

Component ID PP-SLT-1

Component Description

SYSTEM LEAKAGE TEST

Comments

294050 Exam Results

99BV352

Accept

**EXAM CATEGORY / ITEM NUMBER:** 

C-H / C7.50

PRESSURE RETAINING BOUNDARY

Summary/ID No. 294150

Component ID

PMP-SLT-1

Component Description SYSTEM LEAKAGE TEST Comments

Exam Results

99BV353

Accept

EXAM CATEGORY / ITEM NUMBER:

C-H / C7.70

PRESSURE RETAINING BOUNDARY

Summary/ID No. 294250

Component ID

VLV-SLT-1

Component Description

SYSTEM LEAKAGE TEST

Comments

Exam Results

99BV354



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

EXAM CATEGORY / ITEM NUMBER:

E-A / E1.12

CONTAINMENT INTERIOR SURFACE

Summary/ID No.

Component ID

Component Description

Comments

B10800

B10800

INTERIOR LINER

COATING WAS RE-EXAMINED AFTER COATING

REPAIR AND FOUND ACCEPTABLE.

Exam Results

99BV215

Reject

99BV255

Accept

B11700

B11700

INTERIOR LINER

**EXAMINATION PERFORMED ON AREAS OF FAILED** COATINGS DURING THE GENERAL VISUAL

WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION

REQUIRED

Exam Results

99BV233

Reject

99BV222

Accept

B12000

B12000

INTERIOR LINER

**EXAMINATION PERFORMED ON AREAS OF FAILED** COATINGS DURING THE GENERAL VISUAL

WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION

REQUIRED

Exam Results

99BV234

Reject

99BV223

Accept

B12100

B12100

INTERIOR LINER

**EXAMINATION PERFORMED ON AREAS OF FAILED** COATINGS DURING THE GENERAL VISUAL

WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION

REQUIRED.

Exam Results

B12300

B12600

99BV224

B12300

Accept Reject

99BV235

INTERIOR LINER

**EXAMINATION PERFORMED ON AREAS OF FAILED** 

COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION

REQUIRED.

Exam Results

99BV225

B12600

Accept

99BV236 Reject

INTERIOR LINER

**EXAMINATION PERFORMED ON AREAS OF FAILED** COATINGS DURING THE GENERAL VISUAL

WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION

REQUIRED.

Exam Results

# BG

#### ATTACHMENT 1

## Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

99BV297

99BV243

Accept

Reject

N/A

5. Commercial Service Date:

04/01/1977

5. Commercial Service Date:		04/01/1977		
6. Nationa	Board Numbe	r for Unit:	20912	
	99BV237	Reject		
	99BV226	Accept		
B12700	B12700		INTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.
Exam Results				
	99BV238	Reject		
	99BV227	Accept		
B13300	B13300		INTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.
Exam Results				
	99BV239	Reject		
	99BV228	Accept		
B13400	B13400		INTERIOR LINER	AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR
Exam Results				
	99BV240	Reject		
	99BV288	Accept		
B13500	B13500		INTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.
Exam Results				
	99BV229	Accept		
	99BV241	Reject		
B13600	B13600		INTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.
Exam Results				
	99BV221	Accept		
	99BV242	Reject		
B13800	B13800		INTERIOR LINER	AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.
Exam Results				TO SEE THE REST OF THE PARTY.
MENALLI LINDUILO	0001/207	Accept		

# BGE

99BV292

99BV250

Accept

Reject

### ATTACHMENT 1

## Inservice Inspection Report 3/3/2

1. Owner:				ompany, P.O. Box 1475, Baltimore, MD. 21203		
2. Plant:			Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702			
3. Plant Unit:		2				
4. Owner	Certificate of Au	uthorization( If Req.)	N/A			
Commercial Service Date:     Attional Board Number for Unit:		04/01/1977				
		20912				
B14700	B14700	ı	NTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.		
Exam Results	0081/220	Accept				
	99BV230	Accept				
	99BV244	Reject				
B16400	B16400	1	NTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.		
Exam Results						
	99BV231	Accept				
	99BV245	Reject				
B16800	B16800	1	NTERIOR LINER	EXAMINATION PERFORMED ON AREAS OF FAILED COATINGS DURING THE GENERAL VISUAL WALKDOWN FOR CONTAINMENT. AREAS WERE REPAIRED AND ACCEPTED. NO FURTHER ACTION REQUIRED.		
Exam Results						
	99BV232	Accept				
	99BV246	Reject				
B17600	B17600	1	NTERIOR LINER	AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.		
Exam Results						
	99BV247	Reject				
	99BV289	Accept				
B18200	B18200	1	NTERIOR LINER	AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.		
Exam Results						
	99BV248	Reject				
	99BV290	Accept				
B18500	B18500	1	NTERIOR LINER	AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.		
Exam Results						
	99BV249	Reject				
	99BV291	Accept				
B18600	B18600	-	NTERIOR LINER	AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.		
Exam Results						
	0081/202	Accort				

# BGE

#### ATTACHMENT 1

## Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

B19000

B19000

INTERIOR LINER

AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.

Exam Results

99BV294

Accept

99BV252 Reject

B19300

B19300

INTERIOR LINER

AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.

Exam Results

99BV295

Accept

99BV253 F

Reject

B19400

B19400

INTERIOR LINER

AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR.

Exam Results

99BV296

Accept

99BV254 Reject

CONTAINMENT SURFACE

Summary/ID No.

B10105

Component ID LC-4 TO LC-5 Component Description
LEAK CHASE CHANNEL

CORRECT

CORRECTIVE ACTIONS ARE BEING TRACKED

UNDER IR3-022-533.

Exam Results

99BV151

Accept

993V015 Reject

Evaluation Disposition: Acceptable

B10110

LC-5 TO LC-6

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV016

Reject

99BV152

Accept

CONTAINMENT SURFACES

Summary/ID No. B10115 Component ID

LC-6 TO LC-7

Component Description
LEAK CHASE CHANNEL

Comments

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV017

Reject

99BV153

# BG

99BV023

Reject

### ATTACHMENT 1

## Inservice Inspection Report

1. Owner:			D-W				
2. Plant:			Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203  Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD. 20657-4702				
	u la						
3. Plant U			2 N/A				
		uthorization(If Req.)					
	Commercial Service Date:     National Board Number for Unit:		04/01/1977				
6. Nationa			20912				
B10120	LC-7 TO	LC-8	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.			
Exam Results							
	99BV018	Reject					
	99BV154	Accept					
B10125	LC-8 TO	LC-9	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.			
Exam Results							
	99BV019	Reject					
	99BV155	Accept					
B10130	LC-9 TO	LC-10	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533 AND IR3-022-546. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.			
Exam Results							
	99BV020	Reject					
	99BV156	Accept					
B10135	LC-10 TO LC-11		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.			
Exam Results							
	99BV021	Reject					
	99BV158	Accept					
B10140	LC-11 TO	LC-12	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.			
Exam Results				The Lottonoods.			
EAGIN FIGSUITS	99BV159	Accept					
	99BV022	Reject					
B10145	LC-12 TO LC-13		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.			
Exam Results							
	99BV160	Accept					

# BGE

#### ATTACHMENT 1

## Inservice Inspection Report

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

Owner Certificate of Authorization( If Req.)
 Commercial Service Date:

04/01/1977

N/A

6. National Board Number for Unit:

20912

B10150

LC-13 TO LC-14

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533 AND IR3-022-546. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.

Exam Results

99BV024

99BV161

Reject

B10155

LC-14 TO LC-15

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV025

Reject

99BV162

Accept

B10205

LC-15 TO LC-16

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV163

Accept

99BV026

Reject

E10210

LC-16 TO LC-17

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV164

Accept

99BV027

Reject

B10215

LC-17 TO LC-18

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV028

Reject

99BV166

Accept

B10220

LC-18 TO LC-19

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV029

Reject

99BV167



#### Inservice Inspection Report 3/3/2

1. Owner: Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203 2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702 3. Plant Unit: 2 4. Owner Certificate of Authorization (If Reg.) N/A 5. Commercial Service Date: 04/01/1977 6. National Board Number for Unit: 20912 B10225 LC-19 TO LC-20 LEAK CHASE CHANNEL CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382 Exam Results 99BV030 Reject 99BV168 Accept B10230 LC-20 TO LC-21 LEAK CHASE CHANNEL CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382. Exam Results 99BV170 Accept 99BV031 Reject B10235 LC-21 TO LC-22 LEAK CHASE CHANNEL CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382. Exam Results 99BV173 Accept

B10240

B10245

99BV032 Reject

LC-22 TO LC-23

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.

Exam Results

99BV033 99BV174 Reject

Accept

LC-23 TO LC-24

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING REF ES199900382.

Exam Results

99BV176

Accept

99BV034

Reject

B10250

LC-24 TO LC-25

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.

Exam Results

99BV179

Accept

99BV035

Reject

#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate ci Authorization (if Reg.)

N/A

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

B10255

LC-25 TO LC-26

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

Exam Results

99BV182

Accept

99BV036

Reject

B10260

LC-26 TO LC-27

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

Exam Results

99BV037

Reject

99BV185

Accept

B10265

LC-27 TO LC-28

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV038

Reject

99BV187

Accept

B10270

LC-28 TO LC-29

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV188

Accept

99BV039

Reject

B10305

LC-29 TO LC-30

LEAK CHASE CHANNEL

AREA WAS ACCEPTED AS-IS BY DESIGN

ENGINEERING VIA ES199900382. CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533.

Exam Results

998V189

Accept

99BV061

Reject

B10310

LC-30 TO LC-31

LEAK CHASE CHANNEL

AREA WAS ACCEPTED AS-IS BY DESIGN

ENGINEERING VIA ES199900382. CORRECTIVE

ACTIONS ARE BEING TRACKED UNDER IR3-022-533.

Exam Results

99BV040

Reject

99BV190 Accept

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

B10315

LC-31 TO LC-32

Exam Results



### Inservice Inspection Report 3/3/2

1. Owner			Baltimore Gas and Electric Com	pany, P.O. Box 1475, Baltimore, MD. 21203		
2. Plant:			Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702			
3. Plant Unit: 4. Owner Certificate of Authorization( If Req.) 5. Commercial Service Date: 6. National Board Number for Unit:		2				
			99BV041 99BV191	Reject Accept		
B10320	B10320 LC-32 TO LC-33		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DEDIGN ENGINEERING. REF ES199900382.		
Exam Results	0000000	Delest				
	99BV042 99BV192	Reject				
	9901192	Accept				
B10325	B10325 LC-33 TO LC-34		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-!S BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV193	Accept				
	99BV043	Reject				
B10330	LC-34 TC	) LC-35	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533 AND IR3-022-546. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV196	Accept				
	99BV044	Reject				
B10335	LC-35 TO	LC-36	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV045	Reject				
	99BV197	Accept				
B10340	LC-36 TO	LC-37	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV046	Reject				
	99BV198	Accept				
B10345	LC-37 TO	LC-38	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV047	Reject				
	99BV199	Accept				



## Inservice Inspection Report 3/3/2

1. Owner:			Baltimore Gas and Electric Com	pany, P.O. Box 1475, Baltimore, MD. 21203		
2. Plant:	2. Plant:		Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702			
3. Plant U	nit:		2			
4. Owner	Certificate of A	authorization(If Req.)	N/A			
5. Comme	ercial Service D	Date:	04/01/1977			
6. Nationa	6. National Board Number for Unit:		20912			
B10350	LC-38 TO LC-39		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results	DORVODO					
	99BV200	Accept				
	99BV048	Reject	**************************************			
B10355	LC-39 TC	) LC-40	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV201	Accept				
	99BV049	Reject				
B10360	LC-40 TO LC-41		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV202	Accept				
	99BV050	Reject				
B10405	LC-41 TO	LC-42	LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV203	Accept				
	99BV051	Reject				
B10410	LC-42 TO LC-43		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
Exam Results						
	99BV052	Reject				
	99BV204	Accept				
310415	LC-43 TO LC-44		LEAK CHASE CHANNEL	CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING. REF ES199900382.		
xam Results						
Exam Results	99BV053	Reject				



## Inservice Inspection Report

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

5. Commercial Service Date:

04/01/1977

6. National Board Number for Unit:

20912

N/A

B10420

LC-44 TO LC-45

4. Owner Certificate of Authorization( If Reg.)

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

Exam Results

99BV054

Reject

99BV206

Accept

B10425

LC-45 TO LC-46

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

Exam Results

99BV062

Reject

99BV207

Accept

B10430

LC-46 TO LC-47

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED

UNDER IR3-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV208

Accept

99BV055

Reject

B10435

LC-47 TO LC-48

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

Exam Results

99BV056

Reject

99BV209

Accept

B10440

LC-48 TO LC-1

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382

Exam Results

99BV057

Fleject

99BV210

Accept

B10445

LC-1 TO LC-2

LEAK CHASE CHANNEL

LEAK CHASE CHANNEL

AREA WAS ACCEPTED AS-IS BY DESIGN

ENGINEERING VIA ES199900382. CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533.

Exam Results

99BV058

Reject

99BV211 Accept

LC-2 TO LC-3

opi

CORRECTIVE ACTIONS ARE BEING TRACKED

UNDER 183-022-533. CONDITION WAS FOUND ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

B10450



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.) 5. Commercial Service Date:

N/A

6. National Board Number for Unit:

04/01/1977 20912

99BV059

Reject Accept

99BV212

B10455

LC-3 TO LC-4

LEAK CHASE CHANNEL

CORRECTIVE ACTIONS ARE BEING TRACKED UNDER IR3-022-533. CONDITION WAS FOUND

ACCEPTABLE AS-IS BY DESIGN ENGINEERING.

REF ES199900382.

Exam Results

99BV060

Reject

99BV213

Accept

CONTINUENT INTERIOR SURFACE

Summary/ID No. B18800

Component ID B18800

Component Description

INTERIOR LINER

Comments

AREA WAS REEXAMINED AND FOUND ACCEPTABLE AFTER COATING REPAIR

Exam Results

99BV293

Accept

99BV251

Reject

**EXAM CATEGORY / ITEM NUMBER:** 

E-D / E5.30

CONTAINMENT MOISTURE BARRIER

Summary/ID No. B10005

Component ID MB-1

Component Description

MOISTURE BARRIER

Comments

PRESERVICE EXAMINATION OF NEW MOISTURE BARRIER IS ACCEPTABLE UNDER NDE REPORT 99BV150. CORRECTIVE ACTIONS BEING TRACKED

UNDER IR3-022-533

Exam Results

99BV150

Accept

99BV113

Reject

Evaluation Disposition: Acceptable

EXAM CATEGORY / ITEM NUMBER: E-G / E8.10

Containment

Summary/ID No.

Component ID Penetration 13 Component Description

Blind Flange Bolting

Comments

Exam Results

B10920

B11545

99BV325

Accept

Penetration 14

Blind Flange Bolting

Exam Results

99BV326 Accept



#### Inservice Inspection Report 3/3/2

1. Owner:

Baltimore Gas and Electric Company, P.O. Box 1475, Baltimore, MD. 21203

2. Plant:

Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Parkway, Lusby, MD., 20657-4702

3. Plant Unit:

2

4. Owner Certificate of Authorization( If Req.)

04/01/1977

5. Commercial Service Date:

6. National Board Number for Unit:

20912

N/A

EXAM CATEGORY / ITEM NUMBER:

N/A / ----

REACTOR COOLANT PUMPS

Summary/ID No. 162840

Component ID

Component Description PUMP MOTOR FLYWHEEL FLYWHEEL #3S-77P108

Comments

Exam Results

99BU047

Accept

99BU046

Accept

99BU048

**F.ccept** 

99BU049

Accept

99BM111 99BU045

Accept Accept

**EXAM CATEGORY / ITEM NUMBER:** 

RG1.14/---

RCP-21A

Summary/ID No.

Component ID

Component Description RCP-21A FLYWHEEL

Comments

162240 Exam Results

99BU004

21A

### ENCLOSURE (2)

# BALTIMORE GAS AND ELECTRIC COMPANY INSERVICE INSPECTION SUMMARY REPORT FOR CALVERT CLIFFS UNIT 2

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

MWO No.	RRNo.	UEI	Planner Dat Section XI	CI:NIS-2 Wri	Review Dat
2199302533	94-2-026	2#GC5-2008	04/13/1999 Two	ACCOUNTS TO THE PROPERTY OF THE PARTY OF THE	05/17/1999
2199503843	95-2-066	2#DC2-2002	11/09/1995 Two	True	03/31/1999
2199604119	96-2-075a	2PUMPRC21A(s)	12/09/1996 One	True	08/26/1998
2199604119	96-2-075b	2PUMPRC21A	12/09/1996 One	True	05/19/1999
2199702940	96-2-081	2CKVSI-247	12/09/1996 One	True	07/09/1999
2199505020	97-2-129	2#HC-7	06/17/1997 Two	True	07/22/1998
2199701412	97-2-130	2HVSI-400	06/18/1997 Two	True	10/09/1997
2199702802	97-2-132	2HVCVC-361	09/03/1997 Two	True	09/03/1997
2199705361	97-2-133	2HVSI-400	09/17/1997 Two	True	10/07/1998
2199800254	98-2-001	2CKVSI-414	01/26/1998 Two	True	04/29/1998
2199704055	98-2-004	2RV200	04/20/1998 One	True	06/07/1999
2199704057	98-2-005	2RV201	04/20/1998 One	True	05/26/1999
2199800340	98-2-011	2CV4013	04/14/1998 Two	True	06/15/1999
2199800339	98-2-013	2CV4011	04/16/1998 Two	True	06/01/1999
2199802320	98-2-094	2PZVRC21	08/04/1998 One	True	11/11/1998
2199703922	98-2-147	2CKVFW-133	09/09/1998 Two	True	06/09/1999
2199604869	98-2-165	Snubber 2-52-20A	01/12/1999 Two	True	04/12/1999
2199800573	98-2-166	Snubber 2-11-16A	01/12/1999 Two		03/18/1999
2199704491	98-2-169	Snubber 2-36-05	01/12/1999 Two	True	03/31/1999
2199800579	98-2-170	Snubber 2-45-01A	01/12/1999 Two	True	04/12/1999
2199800581	98-2-171	Snubber 2-52-05	01/12/1999 Two	True	04/12/1999
2199800582	98-2-172	Snubber 2-52-09	01/12/1999 Two	True	04/12/1999
2199800587	98-2-176	Snubber 2-52-20	01/12/1999 Two	True	04/12/1999
2199704515	98-2-178	Snubber 2-52-26	01/12/1999 Two	True	04/01/1999
2199800589	98-2-179	Snubber 2-52-34	01/12/1999 One	True	03/29/1999
2199800590	98-2-180	Snubber 2-52-38	01/12/1999 One	True	03/20/1999
2199800591	98-2-181	Snubber 2-52-43	01/13/1999 One	PETER PETER STORY OF STORY OF STORY OF STORY	04/10/1999
2199800592	98-2-182	Snubber 2-52-44	01/13/1999 One	THE RESERVE AND THE PROPERTY OF THE PARTY OF	03/29/1999
2199704500	98-2-183	Snubber 2-52-46	01/13/1999 One	Committee of the Commit	03/27/1999
2199704516	98-2-184	Snubber 2-52-50A	01/13/1999 One	Committee of the contract of t	03/27/1999
2199704507	98-2-185	Snubber 2-52-54	01/13/1999 One	The same of the sa	03/27/1999
2199704506	98-2-189	Snubber 2-60-12	01/13/1999 Two	CONCRETE NO. AND ARREST DESCRIPTION OF A REGISTER FARME.	03/23/1999
2199800593	98-2-191	Snubber 2-61-03	01/15/1999 Two	THE RESERVE OF THE PARTY OF THE	04/01/1999
2199800595	98-2-192	Snubber 2-61-04	01/13/1999 Two	The Total Control of the State	04/10/1999
2199704489	98-2-193	Snubber 2-63-02	01/13/1999 Two	THE RESERVE AND ADDRESS OF THE PARTY OF THE	03/29/1999
2199704437	98-2-194	Snubber 2-63-19	01/13/1999 Two	A CONTRACTOR OF THE PARTY OF TH	04/03/1999
2199704492	98-2-195	Snubber 2-63-24	01/13/1999 Two	A COLUMN TO SERVICE A PROPERTY OF THE PROPERTY	04/03/1999
2199704497	98-2-196	Snubber 2-63-25	01/13/1999 Two		04/03/1999
2199800596	98-2-197	Snubber 2-63-26	01/13/1999 Two	The state of the s	03/31/1999
2199704508	98-2-198	Snubber 2-64-09	01/14/1999 One	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	04/10/1999
2199704505	98-2-199	Snubber 2-64-12	01/14/1999 One	Comment Brown Color work with the Street Color of Street Brown	04/09/1999
2199800597	98-2-200	Snubber 2-64-12A	01/14/1999 One	The property of the property o	04/09/1999
2199704498	98-2-201	Snubber 2-64-15	01/14/1999 One	AND A STATE OF THE PERSON NAMED IN	03/20/1999
2199704495	98-2-202	Snubber 2-64-18	01/14/1999 One	The second secon	04/12/1999
2199704512	8-2-203	Snubber 2-64-19	01/14/1999 One	The second secon	04/10/1999
2199800598	98-2-204	Snubber 2-64-25	01/14/1999 One	The state of the s	03/29/1999
2199704494	98-2-205	Snubber 2-64-26	01/14/1999 One		04/10/1999
2199704509	98-2-206	Snubber 2-64-27	01/14/1999 One	Committee of the Commit	04/09/1999
2199704490	98-2-207	Snubber 2-64-28A	01/14/1999 One	The state of the s	04/09/1999
2199800599	98-2-208	Snubber 2-64-30	01/14/1999 One	Control Called Control	the STALL PROPERTY AND AND AND ADDRESS OF THE PER
2199800600	98-2-209	Snubber 2-64-30A	01/14/1999 One	And the Parties and Delivery of the Parties of the	03/20/1999
2199704518	98-2-210	Snubber 2-64-38	01/14/1999 One 01/14/1999 One	A STATE OF THE OWNER, THE OWNER, WHEN THE OWNER, THE OW	03/20/1999
2199704513	98-2-211	Snubber 2-83-34	01/14/1999 Two	STATE OF THE PERSON NAMED IN COLUMN 2 IN C	03/29/1999

MWO No.	RRNo.	UEI	Planner Dat	Section XI CI	NIS-2 Wri	<b>Review Dat</b>
2199704519	98-2-212	Snubber 2-64-43	01/14/1999	One	True	04/28/1999
2199704517	98-2-213	Snubber 2-83-33	01/14/1999	Two	True	04/10/1999
2199800633	98-2-214	Snubber 2-83-16A	01/14/1999	Two	True	04/16/1999
2199800602	98-2-215	Snubber 2-83-02A	01/14/1999	Two	True	04/14/1999
2199800603	98-2-216	Snubber 2-83-03	01/14/1999	Two	True	04/12/1999
2199800606	98-2-217	Snubber 2-83-04A	01/14/1999	Two	True	04/16/1999
2199800604	98-2-218	Snubber 2-83-15	01/14/1999	Two	True	03/19/1999
2199802432	98-2-252b	2CKVSI-330	04/03/1999	Two	True	06/08/1999
2199802433	98-2-253b	2CKVSI-340	04/03/1999	Two	True	05/25/1999
2199700924	98-2-254a	2PUMPRC21B(s)	11/05/1998	One	True	07/12/1999
2199700926	98-2-255a	2PUMPRC22B(s)	03/16/1999	One	True	07/14/1999
2199700926	98-2-255b	2PUMPRC22B	11/11/1998	One	True	07/13/1999
2199801841	98-2-275a	2CKVSI-434	12/18/1998	Two	True	07/09/1999
2199801841	98-2-275b	2#GC1-2003	12/18/1998	Two	True	07/09/1999
2199603215	98-2-276a	2CKVSI-446	12/18/1998	Two	True	07/09/1999
2199603215	98-2-276b	2#GC1-2002	12/18/1998	Two	True	07/09/1999
2199703971	99-2-012	2ERV402	03/20/1999	One	True	07/13/1999
2199403477	99-2-014	2CKVSI-227	03/02/1999	One	True	07/13/1999
2199900912	99-2-016	2#EB12-2007	03/20/1999	Two	True	05/17/1999
2199901038	99-2-025	2#CC4-2009-R9	04/03/1999	One	True	06/09/1999
2199705517	99-2-028	2CV3939	04/07/1999	Two	True	06/09/1999
2199802244	99-2-036	2PUMPSILPSI21	04/22/1999	Two	True	07/01/1999

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

	BOILINIOI C	Gas Electric C	Company	Date: 05/	17/199	9	
G&F Build	ing BO Boy	(name)					
GOL BUILD	ing, P.O. Box	(address)	e, Marylan	5, 21203 Sheet 1 of 2			
2. Plant:	Calvert	Cliffs Nuclear F	Power Plan	t Unit: Tv	NO		
		(name)		Omt. 1.			
1650 Calve	ert Cliffs Parkw	ay; Lusby, Ma	ryland., 2	0657-4702 R&R No. 9	94-2-02	26. MWO No	. 219930253:
		(address)				P.O. no., job no., et	
3. Work Perfe	ormed by Balti	imore Gas Elec	tric. NED	Type Code S			
	onned by.	(name)		Authorization			
CCNIDD D	1050 0-1			Exp Date: N	I/A		
CCNPP De	pt, 1650 Calve	rt Cliffs Parkwa	y, Lusby,	Md. 20657 Section XI C	lass:	Two	
4 Id: 6:		(address)					
4. Identificati	on of System: Sy	stem Number 05	System	n Name: Safety Injection	n		
5. (a) Applicat	ole Construction Co	ode and Class:	SME B31.7	7 1969 Edition, Summer	1971	Add; Class	Two
(b) Applicab	ole Sect XI Ed. for	Repairs/Replaceme					
		Repairs/Replaceme	nt	1983 Edition, Su			
			nt				1
6. Identification	on of Components	Repaired or Replac	nt	1983 Edition, Su			
6. Identification	on of Components  Name of	Repaired or Replac	ed and Replace	1983 Edition, Succement Components:	mmer Year	Repaired, Replaced, or	ASME Code Stamped
6. Identification  Name of  Componet	on of Components	Repaired or Replac	entend Replace	1983 Edition, Su cement Components:	mmer	83 Addenda	ASME Code
6. Identification  Name of  Componet  Piping System	Name of Manufacturer  Bechtel	Repaired or Replac	ed and Replace	1983 Edition, Succement Components:	mmer Year	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
Name of Componet Piping System Plate	Name of Manufacturer  Bechtel Energy Steel & Supply Co.	Repaired or Replace Manufacturers Serial Number	ed and Replace National Board No.	1983 Edition, Succement Components:  Other Identification	mmer Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped
Name of Componet  Piping System Plate  Structual Shape	Name of Manufacturer  Bechtel Energy Steel &	Manufacturers Serial Number	ed and Replace National Board No.	1983 Edition, Succement Components:  Other Identification  2MOV399 Support/Restraint Plate, Steel 1/2 in. ASME SA-36,	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Componet  Piping System Plate  Structual	Name of Manufacturer  Bechtel Energy Steel & Supply Co. Energy Steel &	Manufacturers Serial Number 2"GC5-2008 80622-GX	National Board No.	Other Identification  2MOV399 Support/Restraint Plate, Steel 1/2 in. ASME SA-36, Carbon Steel Angle, 3 in. X 3 in. X 1/4 in.;	Year Built 1977 1993	Repaired, Replaced, or Replacement Replaced Replacement	ASME Code Stamped (Yes or No)
Name of Componet  Piping System Plate  Structual Shape	Name of Manufacturer  Bechtel Energy Steel & Supply Co. Energy Steel & Supply Co. Allied Group	Manufacturers Serial Number  2"GC5-2008 80622-GX	National Board No.	Other Identification  2MOV399 Support/Restraint Plate, Steel 1/2 in. ASME SA-36, Carbon Steel Angle, 3 in. X 3 in. X 1/4 in.; ASME SA-36, Carbon Steel Nut, Heavy Hex, 1/2 in. X 13 TPI,	Year Built 1977 1993	Repaired, Replaced, or Replacement  Replaced Replacement	ASME Code Stamped (Yes or No) No
Name of Componet  Piping System Plate  Structual Shape Nut	Name of Manufacturer  Bechtel Energy Steel & Supply Co. Energy Steel & Supply Co. Allied Group	Manufacturers Serial Number  2"GC5-2008 80622-GX 80622-GX	National Board No.  N/A  N/A  N/A	Other Identification  2MOV399 Support/Restraint Plate, Steel 1/2 in. ASME SA-36, Carbon Steel Angle, 3 in. X 3 in. X 1/4 in.; ASME SA-36, Carbon Steel Nut, Heavy Hex, 1/2 in. X 13 TPI, SA-194 Gr. 2H	Year Built 1977 1993	Repaired, Replaced, or Replacement  Replaced Replacement	ASME Code Stamped (Yes or No) No
Name of Componet  Piping System Plate  Structual Shape Nut	Name of Manufacturer  Bechtel Energy Steel & Supply Co. Energy Steel & Supply Co. Allied Group	Manufacturers Serial Number  2"GC5-2008 80622-GX 80622-GX	National Board No.  N/A  N/A  N/A	Other Identification  2MOV399 Support/Restraint Plate, Steel 1/2 in. ASME SA-36, Carbon Steel Angle, 3 in. X 3 in. X 1/4 in.; ASME SA-36, Carbon Steel Nut, Heavy Hex, 1/2 in. X 13 TPI,	Year Built 1977 1993	Repaired, Replaced, or Replacement  Replaced Replacement	ASME Code Stamped (Yes or No) No
Name of Componet  Piping System Plate  Structual Shape Nut	Name of Manufacturer  Bechtel Energy Steel & Supply Co. Energy Steel & Supply Co. Allied Group  of Work: V399 Support/F	Manufacturers Serial Number  2"GC5-2008 80622-GX 80622-GX 25058	National Board No.  N/A  N/A  N/A	Other Identification  2MOV399 Support/Restraint Plate, Steel 1/2 in. ASME SA-36, Carbon Steel Angle, 3 in. X 3 in. X 1/4 in.; ASME SA-36, Carbon Steel Nut, Heavy Hex, 1/2 in. X 13 TPI, SA-194 Gr. 2H  ES199800809-000.	Year Built 1977 1993 1993	Repaired, Replaced, or Replaced Replacement Replacement Replacement Replacement	ASME Code Stamped (Yes or No) No

### 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 the ASME Code, Section XI.	mpliance ct and that this Replacemen	nt conforms to the rules of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	1	
Signed: Alle A. Jewner or Owner's Designee, Title	A.R. Zimmerman Welding Engineer	Date: <u>05/17/1999</u>
Certificate of Inservi  I, the undersigned, holding a valid commission issued by the Na	tional Board of Boiler and P	ressure Vessel Inspectors
and the State of Maryland and employed by Factory Mutual Insuran	nce Co. of Norwood, MA. ha	ave inspected the
best of my knowledge and belief, the Owner has performed examin	code, Section XI.	measures described in this
By signing this certificate neither the Inspector nor his empt the examinations and corrective measures described in this Owner' employer shall be liable in any manner for any personal injury or personal connected with this inspection.	loyer makes any warrant, ex s Report. Furthermore, neitl	her the Inspector nor his
Pobert La Saurence Commissions:  Date: May 18, 1999	National Board, State	mD 647 e, and Endorsements
Date: May 18, 1999		

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

1. Owner:		Gas Electric C	-		Date: 03/3	31/199	9		
OOL DUITO	ing, P.O. Box 1	(address)	e, Maryland	d, 21203	Sheet 1 of 2				
2. Plant:	Calvert (	Cliffs Nuclear P	ower Plan	nt	Unit: Tv	vo			
1650 Calve	ert Cliffs Parkwa	(name) av: Lushv Ma	ryland 2	0657-4702	B&B No. 0	5-2-06	66, MWO No.	210050004	
		(address)	yrana., z	0037-4702	nan no. s		P.O. no., job no., etc		
3. Work Perfe	Balti	more Gas Elec	tric NED		Type Code S			)	
J. WOIK FEIT	ormed by:	(name)	ino, neb		Authorization		The second second		
CONPP De	nt 1650 Calvor	t Cliffa Davisson		M	Exp Date: N	money ravele			
CONFF De	pt, 1650 Calver	(address)	y, Lusby,	Md. 20657	Section XI C	lass:	Two		
4. Identificati	on of System: Sy	stem Number 05	System	m Name: Safe	ety Injection	n			
	ble Construction Co						Add; Class		
6. Identification  Name of  Componet	on of Components I  Name of  Manufacturer	Repaired or Replace  Manufacturers  Serial Number	National Board No.	Oth	her	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Piping System	Bechtel	DC2-2002	N/A	Safety Injection R Refueling Water 1		1977	Replaced	No	
Pipe	Sandvik Steel Inc.	F-5630	N/A	Pipe, 2 in. Sch. 80, SA-376, Type 304	Stainless Steel,	1977	Replacement	No	
Elbow	Bechtel	F-5631	NA	Elbow, 90 deg., 2" Socketweld, SA-18 Stainless Steel		1979	Replacement	No	
Reducer Insert	LADISH CO.	F-8588	N/A	Reducer Insert, 2' Socketweld, SA-18 Stainless Steel		1973	Replacement	No.	
7. Description	of Work:		*.						
	recirculation pipi	ng adjacent to #	#22 HPSI p	ump.					
8. Tests Cond	ucted: Hydrost Pressure		Pneumatic Tes	:: No	ominal Operation	-	sure:		

### 9. Remarks:

A Section XI System Hydrostatic 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. Due to the pump suction piping being non-isolable from the outlet piping, the System Hydrostatic Test required pressure is 625 psi. The HPSI pump was run to provide a pressure of approximately 1200 psi. A Section XI Surface Examination was performed to satisfy Pre-Service requirements.

Applicable Manufacturer's Data Re	eports to be Attached	
We certify that the statements made in this report are correct and the ASME Code, Section XI.	liance d that this Replacemen	nt conforms to the rules of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A		
Signed: Allh R. Junior or Owner's Designee, Title	A.R. Zimmerman Welding Engineer	Date: 03/31/1999
I, the undersigned, holding a valid commission issued by the National 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 Code By signing this certificate neither the Inspector nor his employer the examinations and corrective measures described in this Owner's Repemployer shall be liable in any manner for any personal injury or proper connected with this inspection.  **Lower Lawrence** Commissions: N2**  Date: **Quarter** Date: **Quarter** Commissions: N2**  Date: **Quarter** Commissions: N2**	Board of Boiler and Proceed to Solution of Norwood, MA. have a	neasures described in this ressed or implied, concerning er the Inspector nor his my kind arising from or

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

1. Owner:	Baltimore (	Gas Electric Co	mpany		Date: 8/2	26/98		
G&E Buildin	ng, P.O. Box 14	75, Baltimore,	Maryland	1, 21203	Sheet 1 of 2			
		(address)						
2. Plant:	Calvert C	(name)	wer Plant	t	Unit: Tw	/0		
1650 Calver	rt Cliffs Parkwa	A SECURITION OF THE PARTY OF TH	yland., 20	0657-4702	R&R No. 9	A CONTRACTOR OF STREET		219960411
3. Work Perfo	ormed by: Baltin	(address)	ric, NED		Type Code Sy Authorization	ymbol S		.)
CCNPP Dep	ot, 1650 Calvert		, Lusby,		Exp Date: N Section XI Cl	an according to	One	
	on of System: System System System Construction Confidence Sect XI Ed. for R	Or	SME B&PV	/ Code Sect. I		ition, S		
6. Identification	on of Components I	Repaired or Replace	ed and Repla	acement Compone	ents:		Repaired,	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Oth Identifi		Year Built	Replaced, or Replacement	Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	1C865		# 21A Reactor Coo Mechanical Seal	olant Pump	1988	Replaced	Yes
Seal	Sulzer Bingham Inc.	13645-MX 1C868	N/A	Seal, Cartridge As 875B-3V Complete Bingham per FCR	Sulzer	1988	Replacement	Yes
	of Work: lan is to allow re as rebuilt under f			seal on # 21A	Reactor Co	oolant	Pump as ne	cessary.
8. Tests Cond	hicted: Hydrost Pressure	0000	Pneumatic	st Temperature:	minal Operat  532 De	ing Pres	ssure: 🖾	

### 9. Remarks:

A Section XI Şystem 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 Replacement conforms the ASME Code, Section XI.	to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: A.R. Zimmerman Welding Engineer Date: 8/2	26/98
Certificate of Inservice Inspection	NAME AND THE PERSON NAME AND ADDRESS OF THE PERSON NAME AND AD
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the	Inspectors
components described in this Owner's Report during the period 12-9-96 to 5-18-97, a best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described 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 impute examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising connected with this inspection.	and state to the ibed in this olied, concerning or nor his
Robert W. Laurence Commissions: MBEZZC ANT MD647 Inspector's Signature Date: Jan. 25, 1999	

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

(	(P.O. no., job no., etc Stamp: N/A N/A One	o. 2199604119
6-2-07 (ymbol S n No.:	(P.O. no., job no., etc Stamp: N/A N/A One	
ymbol S n No.: //A lass:	(P.O. no., job no., etc Stamp: N/A N/A One	
ymbol S n No.: //A lass:	(P.O. no., job no., etc Stamp: N/A N/A One	
	83 Addenda	
Year Built		Stamped (Yes or No)
1977	Replaced	Yes
1996	Replacement	No
ng Pres		ating
-	Year Built 1977 1996	Built Replacement  1977 Replaced  1996 Replacement  eplacing pump rota  ng Pressure:

### 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. A Section XI VT-1 Visual Examination was performed on pump casing flange surface and replacement nuts. A Section XI VT-3 Visual Examination was performed on pump casing interior.

	to be Attached	
We certify that the statements made in this report are correct and the ASME Code, Section XI.	e at this Replacement confo	orms to the rules of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A		
	R. Zimmerman elding Engineer Date:	8/26/98
I, the undersigned, holding a valid commission issued by the National Boand the State of Maryland and employed by Factory Mutual Insurance Co. of components described in this Owner's Report during the period 12-9-9 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 mak the examinations and corrective measures described in this Owner's Report. employer shall be liable in any manner for any personal injury or property da connected with this inspection.  Commissions: NB82  Date: Dan, 25, 1999	ard of Boiler and Pressure Volume Norwood, MA. have inspect to \$\frac{5-/8-97}{2}\$ taken corrective measures dution XI.  These any warrant, expressed or Furthermore, neither the Institute of the second sec	, and state to the lescribed in this rimplied, concerning pector nor his rising from or

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

2. Plant:		(address) Cliffs Nuclear P					
		Cliffs Nuclear P	ower Plan				
1650 Calver		(name)	ower Plan				
	t Cliffs Parkwa			t Unit: Tv	vo		
	t Cliffs Parkwa						
3. Work Perfor		ly; Lusby, Mar	yland., 2	0657-4702 R&R No. 9	6-2-08	1, MWO No	. 21997029
3. Work Perfor		(address)				P.O. no., job no., etc	c.)
	rmed by: Baltin	more Gas Elect	tric, NED	Type Code S		The state of the s	
		(name)			Authorization No.: N/A		
CCNPP Dep	t, 1650 Calvert	Cliffs Parkwa	y, Lusby,	Exp Date: No. 20657 Section XI Co.	pro-sale-to-	One	
		(address)		17000011110		·	
4. Identification	n of System: Sys	stem Number 05	2 System	m Name: Safety Injection	1		
5. (a) Applicable	e Construction Co	de and Class: A	SME B31.1	1.0 1967 Edition, CCase	N-10		
(b) Applicable	e Sect XI Ed. for F	Repairs/Replacement	nt	1983 Edition, Su	mmer	83 Addenda	1
6 Identification	n of Components I	Dansierd or Donley	ad and Danie				
o. Identification	ii oi components i	repaired of Replace	ed and Replace	cement Components:			ASME
Name of	Name of	Manufacturers	National	Other		Repaired,	Code Stamped
Componet	Manufacturer	Serial Number	Board No.		Year Built	Replacement	(Yes or No)
Valve	Velan Engineering Co.	0028	N/A	22A Reactor Coolant Loop Inlet Check Valve	1977	Keplaced	No
Disc	Velan Engineering Co.	10523-GX 7051	N/A	Disc, Velan, 12 in., 1500 lb., Swing Check Valve, SA-182, SS F316, #6 Stellite, P/N 8209- 033N440	1995	Replacement	No
Stud	Value Engineering Co.	53907-GX	N/A	Stud, Cover, Velan 12" Swing Chk Vlv., P-34754-3, 1-7/8 in. X 8 TPI X 9-1/4 in. SA-193 Gr. B7	1991	Replacement	No
Nut	Velan Engineering Co.	10479-GX	N/A	Nut, Hex, Cover, 1-7/8 in. X 8 TPI, SA-194 Grade 7, for 12 in. Swing Check Valve, 1500 Lb.	1995	Replacement	No
Nut	Velan Engineering Co.	90247-GX	N/A	Nut, Hex, Cover, 1-7/8 in. X 8 TPI, SA-194 Grade 7, for 12 in. Swing Check Valve, 1590 Lb.	1994	Replacement	No
7. Description of	of Work:						
		47; replace val	ve disc and	d bolting as necessary.			
		, , , , , , , , , , , , , , , , , , , ,		and the state of t			

#### 9. Remarks:

A Section XI VIT-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements. Performed a construction code surface examinations of the swing arm damaged areas, and the disc drilled keyway. 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 at the ASME Code, Section XI.	pliance and that this Replacement conforms to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: Allan R. Jon Owner's Designee, Title	A.R. Zimmerman Welding Engineer Date: 07/09/1999
Certificate of Inservice	Inspection
I, the undersigned, holding a valid commission issued by the National	
and the State of Maryland and employed by Factory Mutual Insurance (	Co. of Norwood, MA. have inspected the
components described in this Owner's Report during the period 12-best of my knowledge and belief, the Owner has performed examination Owner's Report in accordance with the requirements of the ASME Cod By signing this certificate neither the Inspector nor his employer the examinations and corrective measures described in this Owner's Re employer shall be liable in any manner for any personal injury or proper connected with this inspection.	ons and taken corrective measures described in this de, Section XI.  er makes any warrant, expressed or implied, concerning eport. Furthermore, neither the Inspector nor his
Robert La Saurence Commissions: A  Date: July 9, 1999	National Board, State, and Endorsements
0	

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

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r-2-12 (Finbol Sino.: ) A ass:	P.O. no., job no., etc Stamp: N/A N/A Two ontrol	
r-2-12 (Finbol Sino.: ) A ass:	P.O. no., job no., etc Stamp: N/A N/A Two ontrol	
r-2-12 (Finbol Sino.: ) A ass:	P.O. no., job no., etc Stamp: N/A N/A Two ontrol	
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mer	83 Addenda	1
	Repaired,	ASME Code
Year Built		Stamped (Yes or No)
1977	Replaced	No
1997	Replacement	No
	tubing and 3/4	" MK2200
ent to		
	ent t	ent tubing and 3/4

### 9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached
We certify that the statements made in this report are correct and that this  ASME Code, Section XI.  Replacement on forms to the rules of the
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: Las M. Belland Mark 3 Engineering Technician Date: 7/22/98
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the
components described in this Owner's Report during the period 6-17-97 to 6-10-98, 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 La Laurence Commissions: NB 8726 ANT MD 647  Inspector Signature  Date: Vuly 27, 1998

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

Baltimore Gas Electric Compa	any	Date: 10/9/97	THE CONTRACT	er ek kilja elit mikatare er essa sussi er er essa kilja er er er essa kilja elit er er er er er er er er er e Protesta er y 15 elit i i i i i i i i i i i i i i i i i i
(name)				
G&E Building, P.O. Box 1475, Baltimore, Mar	ryland, 21203	Sheet 1 of 2		
(address)	- D1 1			
2. Plant: Calvert Cliffs Nuclear Power	Plant	Unit: Two		
1650 Calvert Cliffs Parkway; Lusby, Marylan	d., 20657-4702	R&R No. 97-2-1		
3. Work Performed by: Baltimore Gas Electric, I	NED	Type Code Symbol Authorization No.: Exp Date: N/A		·)
CCNPP Dept, 1650 Calvert Cliffs Parkway, Lu	usby, Md. 20657	Section XI Class:	Two	
(b) Applicable Edition of Section XI Utilized for Repair  6. Identification of Components Repaired or Replaced and  Name of Name of Manufacturers Nat	Draft Code for Pularch '70 Addendars or Replacements:  d Replacement Compositional	Class Two 1983 Edition, nents:	Summer 83 A  Repaired, r Replaced, or	
		fication Buil	COMMENSORS CANADA CANAD	No No
Co.	Gate Valve			****
7. Description of Work: Seal weld existing leak-off plug to 2HVSI-400 va	alve body.			
	eumatic: N st Temperature: N/A	ominal Operating Property Deg.	essure: 🗖	

### 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 Repair conforms to the rules of ASME Code, Section XI.	the
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	4
Signed: A.R. Zimmerman Welding Engineer Date: 10/9/97	
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 Arkwright Mutual Insurance Co. of Norwood, MA. have inspected the	
components described in this Owner's Report during the period 6-18-97 to 10-7-97, and state to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Percent in accordance with the requirements of the ASME Code Section VI.	
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, conce	rning
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.	
Pactory Mutual Engineering Association	
Lobert Dawrene Commissions: NB8226ANI MO647  Inspector's Signature Commissions: NB8226ANI MO647  National Board, State, and Endorsements	
Date: Oct. 27 1997	

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

1. Owner: Baltimore Gas Electric Company	Date:	9/3/97		
G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203				
(address)	Sheet 1 of	2		
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit:	Two		
1650 Calvert Cliffs Parkway; Lusby, Maryland., 20657-4702	DEDNA	07242	2 8818/0 N=	24227222
(address)	Kok No	THE RESIDENCE OF THE PARTY AND ADDRESS OF THE PARTY.	2, MWO No.	
B.W 0 - 51 - 44 - 1155	Type Coc		Stamp: N/A	0.)
3. Work Performed by: Baltimore Gas Electric, NED		ition No.:		
	Exp Date		Lake Andrews	
CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section X	-	Two	
(address)				
4. Identification of System: System Number 041 System Name: C	Chemical Vo	olume Co	ntrol	
<ul><li>5.(a) Applicable Construction Code and Class: USAS B31.7 Class Ty</li><li>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements:</li></ul>				971 Adden
6. Identification of Components Repaired or Replaced and Replacement Comp	ponents:		diffiller 63 A	ASME
6. Identification of Components Repaired or Replaced and Replacement Component Name of Manufacturers National Componet Manufacturer Serial Number Board No. Ide	Other entification	Year Built	Repaired, Replaced, or Replacement	
Name of Manufacturers National Componet Manufacturer Serial Number Board No. Ide	Other	Year	Repaired, Replaced, or	ASME Code Stamped
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Ide  Valve Velan Enginnering 2HVCVC-361 N/A DRN CHG L.  Co.	Other entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Ide  Valve Velan Enginnering 2HVCVC-361 N/A DRN CHG L.  Co.  7. Description of Work:	Other entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Ide  Valve Velan Enginnering 2HVCVC-361 N/A DRN CHG L	Other entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

#### 9. Remarks:

No Section X1 Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance We certify that the statements made in this report are correct and that this Repair conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A R.E. Cantrell Sr. Engineer Date: 9/3/97

### 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 Arkwright Mutual Insurance Co. of Norwood, MA. have inspected the

components described in this Owner's Report during the period 5-16-97 to 9-3-97, 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.

Factory Mutual Engineering Association

Commissions: NB8226 ANT, M0647
ational Board, State, and Endorsement

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

1. Owner:	Baltimore	Gas Electric C	ompany		Date:	10/7/98		Amazen
G&E Build	ding, P.O. Box 1	(name) 475, Baltimore (address)	e, Marylan	d, 21203	Sheet 1 of ;	2		
2. Plant:	Calvert C	Cliffs Nuclear F	ower Plan	nt	Unit:	Two		
		(name)			our.			
1650 Calv	ert Cliffs Parkwa	ay; Lusby, Ma	ryland., 2	20657-4702	R&R No.	Company of the Company of the Company	33, MWO No	. 2199705361
3. Work Peri	formed by: Baltin	more Gas Elec	tric, NED			Symbol S	Stamp: N/A	c.)
		(name)			Authorizat		N/A	
CCNPP De	ept, 1650 Calver	t Cliffs Parkwa	y, Lusby,	MD 20657	Exp Date: Section XI		Two	
4. Identificat	tion of System: Sys	stem Number 05	2 System	n Name: Saf	ety Injecti	on		
	ble Sect XI Ed. for F					ummer	83 Addenda	ASME Code
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.		her fication	Year Built	Replaced, or Replacement	Stamped (Yes or No)
Valve	Velan Enginnering Co.	T8515	N/A	2" Safety Injection Bonnet Gate Valv		1977	Repaired	No
7. Description	n of Work:							
	seal weld on exi	sting leak-off pl	ug to valve	stuffing box	which failed	d PMT u	nder MWO#	
8. Tests Cond	ducted: Hydrosti Pressure		Pneumatic Tes	: No	ominal Opera	ating Press	sure: 🖾	
NOTE: Supp	plemental sheets in	form of lists, sk	etches, or di	rawings may be	e used, prov	ided (1)	size is 8-1/2 in	x 11 in

### 9. Remarks:

A Section XI System Functional 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 the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: A.R. Zimmerman Welding Engineer Date:  Owner or Owner's Designee, Title  A.R. Zimmerman Welding Engineer  10/7/98
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 9-17-97 to 8-5-98, 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: NBSZZE ANT MB 647  Inspector's Signature  Date: Oct 12 1998

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

G&E Building, P.O.  2. Plant: Ca	cimore Gas Electric ( (name)  Box 1475, Baltimor (address)  alvert Cliffs Nuclear I (name)  Parkway; Lusby, Ma (address)  Baltimore Gas Electric (name)	e, Maryland Power Plant aryland., 20	, 21203 Sheet 1 of 2  Unit: Tw	8-2-00 (I mbol S No.: ]	P.O. no., job no., etc tamp: N/A	2199800254
CCNPP Dept, 1650	Calvert Cliffs Parkwa (address)	ay, Lusby, !	MD 20657 Section XI Cla	ass:	Two	
(b) Applicable Sect XI	Ed. for Repairs/Replacem spenents Repaired or Replacem of Manufacturers	Combustion nent aced and Replac	Name: Safety Injection Engineering Spec. 8067 1983 Edition, Sur cement Components:  Other Identification	7-487-		
Valve Velan Eng		N/A	No. 22 High Pressure Pump Safety Injection Pump discharge check valve	1977	Replaced	No
Disc Velan Eng		N/A	Disc for Velan 3 in. 900 Lb. swing check valve, ASME SA-182 F316 (Hardfaced w/Stellite #6)	1994	Replacement	No
		D52-022.  Pneumatic				-Rotation

### 9. Remarks:

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

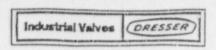
We co	Certificate of Compliance ertify that the statements made in this report are correct and that this Replacement conforms to the rules of the le, Section XI.
Type Code Certificate	Symbol Stamp:N/A_ of Authorization No.: _N/A Expiration Date: _N/A_
Signed	C.H. Ballard Engineering Technician Date: 4/29/98
	Certificate of Inservice Inspection
components de best of my kno Owner's Repor By sign the examinatio employer shall	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the escribed in this Owner's Report during the period 1-23-98 to 1-30-98, and state to the wiedge and belief, the Owner has performed examinations and taken corrective measures described in this in accordance with the requirements of the ASME Code, Section XI.  Ining this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning ones and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his be liable in any manner for any personal injury or property damage of a loss of any kind arising from or this inspection.
Lobe Date: Sep	Inspector's Signature Commissions: NB8226 ANT, MD 647  National Board, State, and Endorsements  28, 1998

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

1. Owner:	Baltimore	Gas Electric C	Date: 06/	Date: 06/07/1999					
		(name)							
G&E Build	ding, P.O. Box 1	1475, Baltimore	e, Maryland	d, 21203 Sheet 1 of 2	Sheet 1 of 2				
		(address)							
2. Plant:	Calvert	Cliffs Nuclear F	ower Plan	t Unit: Tv	NO				
		(name)							
1650 Calve	ert Cliffs Parkw	ay; Lusby, Ma	ryland., 2	0657-4702 R&R No. 9	8-2-00	04. MWO No	. 219970405		
		(address)				P.O. no., job no., et			
3. Work Perf	formed by Balti	imore Gas Elec	tric NED	Type Code S					
J. WOIK TEI	formed by:	(name)	tiro, reco	Authorization		The second second			
COMPDE				Exp Date: N					
CCNPP De	ept, 1650 Calve	THE RESERVE OF STREET,	y, Lusby,	MD 20657 Section XI C	lass:	One			
4 44		(address)							
4. Identificat	tion of System: Sy	stem Number 06	Syster Syster	n Name: Reactor Coolai	nt Sys	tem			
			Cases N-2						
	able Sect XI Ed. for	Repairs/Replaceme	nt 83	Ed summer 83 Ad; 92 Ed	d sum	mer 92 Ad f	ASME		
6. Identificati	ion of Components	Repairs/Replaceme Repaired or Replac	ent 83	Ed summer 83 Ad; 92 Ed		Repaired,	ASME Code		
		Repairs/Replaceme	nt 83	Ed summer 83 Ad; 92 E	d sum Year Built		ASME		
6. Identificate	ion of Components  Name of	Repairs/Replaceme Repaired or Replac Manufacturers	ed and Replaced National	Ed summer 83 Ad; 92 Ed cement Components:  Other Identification  2-1/2" CC-10-2007; Unit-2	Year	Repaired, Replaced, or	ASME Code Stamped		
6. Identificate  Name of  Componet	Name of Manufacturer  Dresser Industrial Valve Co. Dresser Industries,	Repairs/Replaceme Repaired or Replac Manufacturers Serial Number	ed and Replace National Board No.	Ed summer 83 Ad; 92 Ed cement Components:  Other Identification  2-1/2" CC-10-2007; Unit-2 Pressurizer Safety Relief Valve Valve, Consolidated Closed	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
6. Identification Name of Componet	Name of Manufacturer  Dresser Industrial Valve Co.	Repairs/Replaceme Repaired or Replac Manufacturers Serial Number BN-04375	nt 83 ed and Replace National Board No.	Ed summer 83 Ad; 92 Ed cement Components:  Other Identification  2-1/2" CC-10-2007; Unit-2 Pressurizer Safety Relief Valve Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
6. Identification Name of Componet  Valve  Valve, Relief	Name of Manufacturer  Dresser Industrial Valve Co. Dresser Industries, Inc.	Repairs/Replaceme Repaired or Replac Manufacturers Serial Number BN-04375	nt 83 ed and Replace National Board No.	Ed summer 83 Ad; 92 Ed cement Components:  Other Identification  2-1/2" CC-10-2007; Unit-2 Pressurizer Safety Relief Valve Valve, Consolidated Closed	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Name of Componet  Valve  Valve, Relief  7. Description Replace Un	Name of Manufacturer  Dresser Industrial Valve Co. Dresser Industries, Inc.	Repairs/Replaceme Repaired or Replace Manufacturers Serial Number  BN-04375 2905 BV-02950  Safety Relief Va	ed and Replace National Board No.  N/A  N/A	Ed summer 83 Ad; 92 Ed cement Components:  Other Identification  2-1/2" CC-10-2007; Unit-2 Pressurizer Safety Relief Valve Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in.	Year Built 1970 1997	Repaired, Replaced, or Replacement  Replaced  Replacement	ASME Code Stamped (Yes or No) Yes		
Name of Componet  Valve  Valve, Relief  7. Description Replace Unreplace this	Name of Manufacturer  Dresser Industrial Valve Co. Dresser Industries, Inc.  n of Work: nit-2 Pressurizer valve in its entire	Repairs/Replaceme Repaired or Replace Manufacturers Serial Number  BN-04375 2905 BV-02950 Safety Relief Varety.	National Board No.	Comment Components:  Other Identification  2-1/2" CC-10-2007; Unit-2 Pressurizer Safety Relief Valve Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A  O. No additional parts are	Year Built 1970 1997	Repaired, Replaced, or Replacement  Replaced  Replacement	ASME Code Stamped (Yes or No) Yes		
Name of Componet  Valve  Valve, Relief  7. Description Replace Un	Name of Manufacturer  Dresser Industrial Valve Co. Dresser Industries, Inc.  n of Work: nit-2 Pressurizer a valve in its entireducted: Hydros	Repairs/Replaceme Repaired or Replace Manufacturers Serial Number  BN-04375 2905 BV-02950  Safety Relief Va	National Board No.  N/A  N/A  Pneumatic	Comment Components:  Other Identification  2-1/2" CC-10-2007; Unit-2 Pressurizer Safety Relief Valve Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A  O. No additional parts are	Year Built 1970 1997 e spec	Repaired, Replaced, or Replacement  Replaced  Replacement	ASME Code Stamped (Yes or No) Yes		

#### 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.



Alexandria, Louisiana USA

	FORM NVR-1 REPORT OF REPAIR OF NUCLEAR	MODIFICAT		R REPLACE	MENT	
Work performed by	Operation Operation				01-25	5720-0
	[name of organization] Intersection Hwy 167 & 3225 North, A				(P.O.ne.job no.	
2. Work performed forB	G&E 1650 Calverts Cliff	s Parkway	Lusby,	MD 2065	7	
	lverts Cliffs Nuclear S	tation 1650	) Calvert	Cliffs I	Parkway	(name)
	alion of nuclear power plant  lvert Cliff: Parkway	BG&E Calvert	ts Cliffs 20657	The state of the s	Station	
5. a. Repaired pressure relief b. Name of manufacturer						
c. Identifying nos.	31739A BV-02950	N/A		Steam	2-1/	2" 1982
d, Construction Code	ASME Section III (name/section/Similar)	1968 («dZion)	Winter (*ddend*)		N/A Cese(s))	N/A (Code Case)
S. ASME Code Section XI appl	icable for inservice inspection:	1983 (edition)		Summer 198		N/A
. ASME Code Section XI used	f for repairs, modifications, or replacements:	198	83 (edition)		ner 1983 ddenda)	N/A (Code Case(s))
Construction Code used for	repairs, modifications, or replacements:	19	968		cer 1968	N/A (Code Case(s))
	name and identifying number of replacement p		Assemble	d and Tes	OR THE REPORT OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NA	
2. Remarks: Dr	illed 3/8" hole in disc	holder to me	et curre	nt design	1 ****	
I. R.A. Thomas certify conforms to Section XI of the National Board Certificate of A National Board Certificate of A Date 4.28 1997 Sig	that the statements made in this report are consisted to the National Board Inspection and the National Board Inspection and the National Board Inspection at the Use the Uthorization No. 48 to use the	FICATE OF COMPLIAN priect and the repair, mon in Code "VR" and "NR" is "NVR" stamp expires ( "NR" stamp expires ( "Authoritied representative [authoritied representative]	ules. 5/29 19 98 5/30 19 99		essure refiel device	
have inspected the repair, modification or repl rules.  By signing this cartificate, neith	holding a valid commission is soliction of Louis rand fification or replacement described in this report accement has been completed in accordance where the undersigned nor my employer makes a termore, neither the undersigned nor my employer his inspection.	FICATE OF INSPECTION Sissued by The National Element on 4/28 1s with Section XJ of the ASions warranty, expressed	Board of Boiler as e Hartford Steam 9 97 and ME Code and the	Boiler Inspection of state that to the e National Board erning the repair, i personal injury, p	el inspectors and of and Insurance Control best of my knowled Inspection Code *Vertical modification or replacement damage or	of Hartford, CT edge and belief, /R° and *NR* lacement koss of any kind
, 19 7/	[inspector]			Commissions	Board find andersement furisdiction, and	

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

1. Owner: Baltimore Gas Electric Company					Date: 05/26/1999			
G&E Build	d, 21203	Sheet 1 of 2						
2. Plant:	Calvert	(name)	ower Plan	it	Unit: Tw	10		
1650 Calve	ert Cliffs Parkwa	y; Lusby, Mar	ryland., 2	0657-4702	R&R No. 9	8-2-00	5, MWO No.	219970405
		(address)				A STATE OF THE PARTY OF THE PARTY.	O. no., job no., etc	
2 Work Book	Baltir	more Gas Elec	tric NED		Type Code S			
3. Work Perf	ormed by:	(name)	inc, NED		Authorization		***************************************	
					Exp Date: N/A			
CCNPP De	pt, 1650 Calvert	Cliffs Parkwa	y, Lusby,		Section XI Cl	-	One	
		(address)				÷		
4. Identificati	ion of System: Sys	stem Number 06	4 Syster	n Name: Reac	tor Coolar	t Svs	tem	
	ble Sect XI Ed. for Find the sect XI Ed. for F			Ed summer 83 cement Componer Othe Identific	nts: er	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial	BM07949	N/A	2-1/2" CC-10-2008:	Unit-2	1977	Replaced	Yes
	Valve Co.			Pressurizer Safety		17/1	Reptaced	Tes
Valve, Relief	Dresser Industries, Inc.	2905 BS03213	N/A	Valve, Consolidated Bonnet Maxiflow S Model 31739A		1997	Replacement	Yes
7. Description	n of Work							
Replace Un	nit-2 Pressurizer s valve in its entire	Safety Relief Va	alve, 2RV20	01. No addition	nal parts are	e spec	ified, as this	MWO will
8. Tests Cond	ducted: Hydrost Pressure		Pneumatic Tes		minal Operation  532 Deg		sure: 🛛	

#### 9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 2. of this report. A Section XI VT-1 Visual Examination was performed for valve pressure retaining bolting.

We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  Replacement conforms to the ASME Code, Section XI.	e rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: A.R. Zimmerman Welding Engineer Date: 05/2	6/1999
Certificate of Inservice Inspection	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Instant the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the	
components described in this Owner's Report during the period 4-18-98 to 5-5-99, and	state to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described 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, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector no employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from connected with this inspection.	
0,1,10	
Fober Linspector's Signature Commissions: NB 8226 ANT, MD647 National Board, State, and Endorsements	
Date: June 14, 1999	

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

1. Owner:	Baltimore	Gas Electric Co	ompany	Date:	06/15/199	9			
G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203  (address)  2. Plant: Calvert Cliffs Nuclear Power Plant  (name)				I, 21203 Sheet	Sheet 1 of 2				
				t Unit:	Unit: Two				
1650 Calvert Cliffs Parkway; Lusby, Maryland., 20657-4702					R&R No. 98-2-011, MWO No. 2199800340				
3. Work Perf	formed by: Balti	more Gas Electi	ric, NED	Autho	Code Symbol Sprization No.: Date: N/A		2.)		
CCNPP De	pt, 1650 Calve	rt Cliffs Parkway	, Lusby,	MD 20657 Section	n XI Class:	Two			
4. Identificati	ion of System: Sy	stem Number 083	3 System	Name: Main Stea	am & SG Se	condary Sid	e & SG		
(b) Applicat		Ac Repairs/Replacemen	ld; Class	Ed summer 83 Ad					
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Valve	Masoneilan International Inc.	F7984	N/A	#22 S/G Bottom Blowdow Containment Isolation Va		Replaced	Yes		
Plug	Masoneilan	95589-GX A16671-3	N/A	Plug, valve, 2'', 600 lb., Masoneilan p/n 013434-02	1995 3-1A7	Replacement	No		
<ol> <li>Description</li> <li>Overhaul border</li> <li>plug as necessaria</li> </ol>	ottom blowdown	containment isol	ation valve	e, 2CV4013, for #22	steam gene	erator; replac	e valve		
8. Tests Cond	lucted: Hydros Pressui		Pneumatic Tes	Nominal t Temperature: N/A	Operating Pres Deg. F	sure:			

### 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 the ASME Code, Section XI.  Replacement	conforms to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed:  A.R. Zimmerman Welding Engineer  Owner or Owner's Designee, Title	Date: <u>06/15/1999</u>
Certificate of Inservice Inspection	AND THE PERSON OF THE PERSON O
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pres and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have	ssure Vessel Inspectors e inspected the
components described in this Owner's Report during the period 4-13-98 to 5-6-	99 , and state to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective med 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, expre 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 connected with this inspection.	kind arising from or
Pobert Dawrence Commissions: MB8ZZGAWI National Board, Stale, an	mo 647_
Date: June 24,1999	

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

(Politimary Co., El., 11)	The state of the s				
Owner: 'Baltimore Gas Electric Company  (name)	Date: 06/01/1999 Sheet 1 of 2				
G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203					
(address)					
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: Two				
(name)					
1650 Calvert Cliffs Parkway; Lusby, Maryland., 20657-4702	R&R No. 98-2-013, MWO No. 219980033				
(address)	(P.O. no., job no., etc.)				
3. Work Performed by: Baltimore Gas Electric, NED	Type Code Symbol Stamp: N/A				
(name)	Authorization No.: N/A				
CCNPP Dept 1650 Calver Cliffe Portune	Exp Date: N/A				
CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 20657	Section XI Class: Two				
4 14-06-0-06					
4. Identification of System: System Number 083 System Name: Mail	n Steam & SG Secondary Side & SG				
Add; Class Two	mps & Valves, 1968 Edition, March 1970				
6. Identification of Components Repaired or Replaced and Replacement Compone					
Name of Name of Manufacturers National Oth Componet Manufacturer Serial Number Board No. Identification	Repaired, Code ner Year Replaced, or Stamped				
Valve Masoneilan H59104-2-4 N/A #21 S/G Bottom B International Inc. Containment Isola					
Plug Masoneilan 95589-GX 3820721 N/A Plug, valve, 2", 600 Masoneilan p/n 01	0 lb., 1995 Replacement No.				
7. Description of Work:	. 4				
Overhaul bottom blowdown containment isolation valve for #21 steam	n generator; replace valve plug as				
8. Tests Conducted: Hydrostatic: Pneumatic: Non Pressure: N/A psi. Test Temperature:	minal Operating Pressure:   N/A Deg. F				

### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. The surface examination of the replacement plug was waived by the ANI.

rappireusic raminatures o Data respecto to se raminature
We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  Replacement conforms to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: A.R. Zimmerman Welding Engineer Date: 06/01/1999  Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the
components described in this Owner's Report during the period 4-16-98 to 5-14-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobut Warence Commissions: NB822C AN I, MD647  Inspector Signature  Date: Quine 9 1999

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

1. Owner:	Baltimore	Gas Electric C	Company		11	/11/09	American and the Control of the Cont	A Carlos de Carl	
(name)				Da	Date: 11/11/98				
G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203  (address)  2. Plant: Calvert Cliffs Nuclear Power Plant					Sheet 1 of 2				
					1650 Calve	20657-4702 R	R&R No. 98-2-094, MWO No. 219980232		
		(address)				-	P.O. no., job no., et		
3. Work Perfe	ormed by: Balti	more Gas Elec	tric, NED	Ту	pe Code S	ymbol s	Stamp: N/A		
		(name)		Au	Authorization No.: N/A				
CCNPP De	pt. 1650 Calver	t Cliffs Parkwa	v Luchy	RES SSSE	p Date: N				
	pt, 1000 Gaiver	(address)	ly, Lusby,	WID 20657 See	ction XI C	lass:	One		
4. Identificati	on of System: Sy	stem Number 06	System	n Name: Reacto	r Coolar	nt Sys	tem		
	ole Construction Co		Cases: 13	V Code Sect. III, 36, 1338-3, 1359	-1	ition, Editio		Add; Class	
6. Identification	on of Components	Repaired or Replac	ed and Repla	cement Components	:				
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identificati	ion	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Pressure Vessel	Combustion Engineering	CE 67603	20916	No. 21 Pressurizer upp		1972	Replaced	Yes	
Nozzle	Combustion Engineering Inc.	40316-GX	N/A	Nozzle Ass. P/N E-934		1990	Replacement	No	
7. Description	of Work:								
Perform Mod	dification per ES	S199801103 and	FRAM-14	on #21 Pressuria	zer upper	r pene	tration 2-LT-	110X.	
8. Tests Conde		tatic:	Pneumatic		nal Operatio	ng Press			

### 9. Remarks:

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

reprivate manufactor of Data Reports to be Matthew
We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  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: A.R. Zimmerman Welding Engineer Date: 11/11/98
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the components described in this Owner's Report during the pool of 7-28-98 to 8-6-98, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his
employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Date: Lec. 10, 1993  Commissions: NB 8 226 ANT. MO 647  National Board, State, and Endorsements

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

1. Owner: Baltimore Gas Electric Company				Date: 06	Date: 06/09/1999			
		(name)						
G&E Build	ding, P.O. Box 14		, Maryland	I, 21203 Sheet 1 of :	2			
		(address)						
2. Plant:	Calvert C	liffs Nuclear P	ower Plan	t Unit:	Two			
		(name)						
1650 Calv	ert Cliffs Parkwa	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TO THE OWNER, THE	yland., 2	0657-4702 R&R No	. 98-2-14	7, MWO No.	2199703922	
		(address)				P.O. no., job no., etc	:.)	
3. Work Per	formed by: Baltin	more Gas Elect	tric, NED			Stamp: N/A		
		(name)		Authorizat		N/A		
CCNPP De	ept, 1650 Calvert	Cliffs Parkwa	v. Lusby.	MD 20657 Exp Date: Section XI		Two		
		(address)	,,,,	Socion Al	C1033.	TWO		
4. Identificat	tion of System: Sys	stem Number 04	5 System	Name: Feedwater				
5. (a) Applica	able Construction Co	de and Class: A	SME B31.1	.0 1967 Edition, B16.	5, B16.1	0		
(b) Applica	able Sect XI Ed. for R	Repairs/Replaceme	nt 83	Ed summer 83 Ad; 92	Ed sum	mer 92 Ad fo	or IWE/IWI	
			-	MARKET COMPLETE CONTRACTOR OF THE PROPERTY OF		111471 SP 800 F 1500 11	of 1 1 1 1 Steel 1 1 1 1 1 Steel	
o. Identificat	tion of Components F	Repaired or Replac	ed and Repla	cement Components:			ASME	
						Repaired,	Code	
Name of	Name of	Manufacturers	National	Other	Year	Replaced, or	Code Stamped	
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of	Name of	Manufacturers	National	Other		Replaced, or	Code Stamped	
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification  No. 21 Steam Generator Feed	Built	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of Componet	Name of Manufacturer Rockwell International	Manufacturers Serial Number	National Board No.	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check	Built 1977	Replaced, or Replacement Replaced	Code Stamped (Yes or No)	
Name of Componet Valve Retainer	Name of Manufacturer  Rockwell International Edward Valves Inc.	Manufacturers Serial Number QU-83 12001	National Board No. N/A	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y Retainer, Cover, Check Valve,	Built 1977 1997	Replaced, or Replacement Replaced	Code Stamped (Yes or No) No	
Name of Componet Valve Retainer Cover Retainer	Name of Manufacturer  Rockwell International Edward Valves Inc.  Edward Valve Inc.  Edward Valves Inc.	Manufacturers Serial Number QU-83 12001 24410	National Board No. N/A N/A	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y	Built 1977 1997 1998	Replaced, or Replacement Replaced Replacement	Code Stamped (Yes or No) No No	
Name of Componet  Valve  Retainer  Cover  Retainer  7. Description	Name of Manufacturer  Rockwell International Edward Valves Inc.  Edward Valve Inc.  Edward Valves Inc.  on of Work:	Manufacturers Serial Number QU-83 12001 24410 10775-GX	National Board No. N/A N/A N/A	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y Retainer, Cover, Check Valve, 16", Edwards Fig. 970Y	Built 1977 1997 1998 1995	Replaced, or Replacement  Replaced  Replacement  Replacement  Replacement	Code Stamped (Yes or No) No No	
Name of Componet  Valve  Retainer  Cover  Retainer  7. Description	Name of Manufacturer  Rockwell International Edward Valves Inc.  Edward Valve Inc.  Edward Valves Inc.  on of Work:	Manufacturers Serial Number QU-83 12001 24410 10775-GX	National Board No. N/A N/A N/A	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y Retainer, Cover, Check Valve,	Built 1977 1997 1998 1995	Replaced, or Replacement  Replaced  Replacement  Replacement  Replacement	Code Stamped (Yes or No) No No	
Name of Componet  Valve  Retainer  Cover  Retainer  7. Description	Name of Manufacturer  Rockwell International Edward Valves Inc.  Edward Valves Inc.  Edward Valves Inc.  on of Work: aintenance on Fe	Manufacturers Serial Number  QU-83  12001  24410  10775-GX	National Board No. N/A N/A N/A	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y Retainer, Cover, Check Valve, 16", Edwards Fig. 970Y  (VFW-133; replace particular of the search of the se	Built 1977 1997 1998 1995	Replaced, or Replacement  Replaced  Replacement  Replacement  Replacement	Code Stamped (Yes or No) No No	
Name of Componet  Valve  Retainer  Cover  Retainer  7. Description	Name of Manufacturer  Rockwell International Edward Valves Inc.  Edward Valves Inc.  Edward Valves Inc.  on of Work: aintenance on Fe	Manufacturers Serial Number  QU-83  12001  24410  10775-GX  redwater Check	National Board No.  N/A  N/A  N/A  Valve 2CK	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y Retainer, Cover, Check Valve, 16", Edwards Fig. 970Y  CVFW-133; replace part	Built 1977 1997 1998 1995	Replaced, or Replacement  Replaced  Replacement  Replacement  Replacement	Code Stamped (Yes or No) No No	
Name of Componet  Valve  Retainer  Cover  Retainer  7. Description	Name of Manufacturer  Rockwell International Edward Valves Inc.  Edward Valves Inc.  Edward Valves Inc.  on of Work: aintenance on Fe	Manufacturers Serial Number  QU-83  12001  24410  10775-GX  edwater Check	National Board No.  N/A  N/A  N/A  Valve 2CK	Other Identification  No. 21 Steam Generator Feed Water Supply Check Valve Retainer, Hinge Pin, Check Valve, 16", Edwards Fig. 970Y Cover, Pressure Seal, Check Valve, 16", Edwards Fig. 970Y Retainer, Cover, Check Valve, 16", Edwards Fig. 970Y  CVFW-133; replace part	Built 1977 1997 1998 1995 ts and bo	Replaced, or Replacement  Replaced  Replacement  Replacement  Replacement	Code Stamped (Yes or No) No No	

#### 9. Remarks:

A Section XI System Inservice Test of the affected component was performed during the system conditions listed in section 8. of this report. ANI Hold Point: The ANI witnessed a surface examination of the replacement "Pressure Seal Cover" prior to installation.

We certify that the statements made in this report are correct and the ASME Code, Section XI.	at this Replacement conforms to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed:	A.R. Zimmerman Welding Engineer Date: 06/09/1999
Certificate of Inservice Insp	
I, the undersigned, holding a valid commission issued by the National Bo and the State of Maryland and employed by Factory Mutual Insurance Co. o	ard of Boiler and Pressure Vessel Inspectors f Norwood, MA. have inspected the
components described in this Owner's Report during the period 9-9-5 best of my knowledge and belief, the Owner has performed examinations an Owner's Report in accordance with the requirements of the ASME Code, Se	d taken corrective measures described in this
By signing this certificate neither the Inspector nor his employer make the examinations and corrective measures described in this Owner's Report. employer shall be liable in any manner for any personal injury or property desconnected with this inspection.	tes any warrant, expressed or implied, concerning
2. 1. 2	10 u, 2
Robert Dawrence Commissions: MBE	National Board, State, and Endorsements
Date:199	

	-	As Required By	the Provi	sions of the ASM	E Code Secti	on XI	
1. Owner: _	Baltimo	ore Gas Electric	Company	<u> </u>	Date: A	oril 12, 1999	
G&E1	Building, P.O.	Box 1475, Baltin (address)	ore, MD	, 21203	Unit: 1	<u>`wo</u>	
2. Plant:	Callert C	liffs Nuclear Pow	er Plant		R&R No	98-2-165	
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657	-4702	MWO No	2199604869 (PO, job no.)	
3. Work Perf	formed by: Ba	Itimore Gas Elec	tric, NE	D, CCNPPD	Authorizatio	Type Code Symbol S on No: N/A Exp I	tamp: N/A
1650 Cal	vert Cliffs Parl	kway; Lusby, M	D 20657	-4702		I Class: Two	ATTOMATION OF THE PARTY OF THE
4. Identificat	ion of System:	(address)  System Number:	52	System 1	Name: Safety	Injection	
				B31.7 1969 ED. t			
6. Identificate  Name of  Component	Name of Manufacturer	Manufacturers	Replaced, National Board No.	and Replacement C Other Identification	omponents: Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL	(CYL)	N/A	2-52-20A		· · · · · · · · · · · · · · · · · · ·	NOVEMBER STATEMENT AND STREET AND STREET
	CORP.	73345358-53 (VB) 8869B-1-SP			N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	73345358-53 (VB)	N/A	2-52-20A	N/A	Replacement	No No

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A  Dan Hoang Senior Engineer Date: April 12, 1999  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-99 to 4-7-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert L. Lawrence Commissions: NB8ZZGANI MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: Opril 29, 1999

	ACTUAL OF THE PARTY OF THE PART	As Required By	THE FIGY	isions of the ASN	ie Code Sec	tion XI	
1. Owner: _	Baltim	ore Gas Electric	Company	Υ	Date: N	March 18, 1999	
G&E I	Building, P.O.	Box 1475, Baltin	nore, MD	, 21203	Unit:	Two	
. Plant:	Calvert C	liffs Nuclear Pov	ver Plant		R&R No	98-2-166	
1650 Cal	vert Cliffs Par	kway; Lusby, M	ID 20657	-4702	MWON	To: 2199800573	
Work Per	formed by: Ba	ltimore Gas Elec	ctric, NE	D, CCNPPD	Authorizat	(PO, job no.)  Type Code Symbol S ion No: N/A Exp	Stamp: N/A
1650 Cal-	vert Cliffs Par	kway; Lusby, M	ID 20657	-4702		XI Class: Two	Date: N/A
(a) Applica	able Construction		s: USAS	B31.1 1967 ED.	thru 1972 AD		
				airs/Replacements:	1992 Ed., Su	, Summer 83 Ac mmer 92 Ad.(IV	idenda VE/IWL)
Name of component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
YDRAULIC	GRINNELL	(CYL) 79404793-42	N/A	2-11-16A	N/A	Replaced	
NUBBERS	CORP.	(VB) 80102860-5					No
YDRAULIC	GRINNELL CORP.	(VB)	N/A	2-11-16A	1995	Replacement	No
YDRAULIC	GRINNELL	(VB) 80102860-5 (CYL) 91219610-10 (VB)	N/A	2-11-16A	1995	Replacement	
YDRAULIC NUBBERS  Description	GRINNELL CORP.	(VB) 80102860-5 (CYL) 91219610-10 (VB) 17091-4		2-11-16A NUBBER: 2-11-16		Replacement	

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached Certificate of Compliance We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Dan Hoang Senior Engineer Date: March 18, 1999 Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected components described in this Owner's Report during the period 1-12-99 to 3-17-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Lobert W. Saurence Commissions: NB8226 ANI, MD647

Inspector's Signature Commissions: NB8226 ANI, MD647

National Board, State, and Endorsements

Date: April 28, 1999

MATERIAL STATES AND A STATES OF THE STATES O		As Required By	the Provi	sions of the ASM	E Code Secti	on XI	
1. Owner: _	Baltim	ore Gas Electric	Company		Date: M	arch 31, 1999	
G&E E	Building, P.O.	Box 1475, Baltin (address)	nore, MD	21203	Unit: 1	<u>`wo</u>	
2. Plant:	Calvert C	liffs Nuclear Pow (name)	ver Plant		R&R No	98-2-169	
1650 Cah	ert Cliffs Par	kway; Lusby, M (address)	D 20657	-4702	MWO No	2199704491 (PO, job no.)	
3. Work Perf	ormed by: Ba	ltimore Gas Elec	tric, NEI	D, CCNPPD	Authorizatio	Type Code Symbol S on No: N/A Exp I	tamp: N/A Date: N/A
1650 Calv	ert Cliffs Par	kway; Lusby, M (address)	D 20657	-4702	Section >	I Class: Two	
		System Number: on Code and Class		System <b>B31.1 1967 ED.</b> t		ary Feedwater	
				airs/Replacements:	1992 Ed., Sun	Summer 83 Ad nmer 92 Ad.(IV	
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 79404793-2 (VB) 79398753-541	N/A	2-36-5	N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 79404797-69 (VB) 79398753-347	N/A	2-36-5	1999	Replacement	No
7. Description		'E MAINTENAN	CE ON SI	NUBBER: 2-36-5			
8. Tests Cond		ydrostatic:		eumatic:	Nominal	Operating Press	ure:

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: March 31, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period 1-12-99 to 3-31-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the A'ME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Commissions: NB 7525 1BNA PA 2159 Inspector & Signature  National Board, State, and Endorsements
Date: APRIL 14 1999

		A NOTE SELECT AND PROPERTY OF SELECTION OF S	Consideration and the Constant of the	COPY STANDARD STANDARD STANDARD FOR SELECTION AND ADDRESS OF SELECTION ADDRESS OF SELECTION AND ADDRESS OF SELECTION AND ADDRESS OF SELECTION	E Code Secti	A STATE OF THE PARTY OF THE PAR	THE PERSON NAMED IN COLUMN
. Owner: _	Baltime	ore Gas Electric	Company		Date: A	oril 12, 1999	
G&E B	Building, P.O.	Box 1475, Baltir (address)	nore, MD,	21203	Unit: 1	<u>`wo</u>	
Plant:	Calvert C	liffs Nuclear Pov	wer Plant		R&R No	98-2-170	
1650 Calv	vert Cliffs Par	kway; Lushy, N	1D 20657-	4702	MWO N	o: 2199800579 (PO, job no.)	
Work Perf	ormed by: Ba	ltimore Gas Ele	ctric, NEI	D, CCNPPD		Type Code Symbol S on No: N/A Exp 1	
1650 Calv	vert Cliffs Par	kway; Lusby, M	1D 20657-	4702	Section 2	Class: Two	
Identificat	ion of System:	System Number	: 45	System 1	Name: Feedw	ater	
(a) Applica	ble Construction	on Code and Clas	s: USAS	B31.1 1967 ED. t	hru 1972 AD	<u>D.</u>	
(b) Applica	ble Edition of	Section XI Utiliz	ed for Rena	airs/Replacements:	1983 Edition	Summer 83 Ac	ddenda
(o) ripplice	ole Baltion of	beetion Ai ounz	ou for rospe			nmer 92 Ad.(IV	
Identificat		anta Danainad an	Danland .				na manana ana ana manaka
dentificat	ion of Compon	ients Repaired or	Replaced, a	and Replacement C	omponents:		ASME
						Repaired,	Code
\$1 P							
Name of	Name of	Manufacturers Social Number	National Board No	Other	Year	Replaced, or	Stamped (Yes or No.)
	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or No)
Component		Serial Number		The second secon			
Component	Manufacturer		Board No.	Identification	Built	Replacement	(Yes or No)
Component IYDRAULIC NUBBERS IYDRAULIC	Manufacturer GRINNELL	(CYL) 76181172-11 (VB)	Board No.	Identification	Built	Replacement	(Yes or No)
Component HYDRAULIC NUBBERS HYDRAULIC	GRINNELL CORP.  GRINNELL	(CYL) 76181172-11 (VB) 1644-5-A (CYL) 90203740-9 (VB)	N/A	Identification  2-45-1A	Built N/A	Replaced	(Yes or No)
Component IYDRAULIC NUBBERS IYDRAULIC NUBBERS	GRINNELL CORP.  GRINNELL CORP.	(CYL) 76181172-11 (VB) 1644-5-A (CYL) 90203740-9 (VB)	N/A	Identification  2-45-1A	Built N/A	Replaced	(Yes or No)
Component HYDRAULIC INUBBERS HYDRAULIC INUBBERS	Manufacturer  GRINNELL CORP.  GRINNELL CORP.	(CYL) 76181172-11 (VB) 1644-5-A (CYL) 90203740-9 (VB) 15156-62	N/A N/A	Identification  2-45-1A	Built N/A 1995	Replaced	(Yes or No)
Component IYDRAULIC NUBBERS IYDRAULIC NUBBERS	Manufacturer  GRINNELL CORP.  GRINNELL CORP.	(CYL) 76181172-11 (VB) 1644-5-A (CYL) 90203740-9 (VB) 15156-62	N/A  N/A  N/A  NCE ON S	Identification  2-45-1A  2-45-1A	Built N/A 1995	Replaced	No No
Component IYDRAULIC NUBBERS IYDRAULIC NUBBERS  Description PERFORME	GRINNELL CORP.  GRINNELL CORP.  GRINNELL CORP.  On of Work:  D PREVENTIVE ducted:	(CYL) 76181172-11 (VB) 1644-5-A (CYL) 90203740-9 (VB) 15156-62  VE MAINTENAL	N/A  N/A  N/A  NCE ON S	Identification  2-45-1A  2-45-1A  NUBBER: 2-45-1A  eumatic:	Built  N/A  1995  Nominal	Replacement  Replaced  Replacement  Operating Press	No No
YDRAULIC NUBBERS  YDRAULIC NUBBERS  Descriptio	GRINNELL CORP.  GRINNELL CORP.  GRINNELL CORP.  On of Work:  D PREVENTIVE ducted:	(CYL) 76181172-11 (VB) 1644-5-A (CYL) 90203740-9 (VB) 15156-62	N/A  N/A  N/A  NCE ON S	Identification  2-45-1A  2-45-1A  NUBBER: 2-45-1A  eumatic:	Built N/A 1995	Replacement  Replaced  Replacement  Operating Press	No No

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A  Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 12, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-99 to 4-3-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert W. Lawrence Commissions: NB 8226 ANT, MD 647 Inspector's Signature National Board, State, and Endorsements
Date: May 12, 1999

		As Required By	the Provi	sions of the ASM	ME Code Sect	ion XI	
1. Owner: _	Baltim	ore Gas Electric	Company		Date: A	pril 12, 1999	
G&E I	Building, P.O.	Box 1475, Baltin	nore, MD	, 21203	Unit: 1	Гwо	
Plant:	Calvert (	Cliffs Nuclear Pov	wer Plant		R&R No	98-2-171	
1650 Cal	vert Cliffs Par	rkway; Lusby, N	1D 20657	-4702	MWO N	o: 2199800581 (PO, job no.)	
Work Perf	formed by: B:	altimore Gas Elec	ctric, NE	D, CCNPPD	Authorizati	Type Code Symbol S on No: N/A Exp	Stamp: N/A
1650 Cal	vert Cliffs Par	rkway; Lusby, M		-4702		XI Class: Two	Date. NA
Identificat	ion of System:	System Number	: 52	System	Name: Safety	Injection	
(a) Applica	ble Constructi	on Code and Clas	s: USAS	B31.7 1969 ED.			
				airs/Replacements:			ddanda
(-) Pp	or Daniell or	Section 711 Othiza	ca for rep	ans/replacements.		mmer 92 Ad.(IV	
Identificati	ion of Compor	ents Repaired or	Replaced.	and Replacement (			
						n	ASME
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Poard No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (Yes or No)
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 72237426-172 (VB) 5825-2-A	N/A	2-52-5	N/A	Replaced	No
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73306121-65 (VB) 7721B-2-A	N/A	2-52-5	1998	Replacement	No
Description	n of Work:						
ERFORMED	PREVENTI	VE MAINTENAN	ICE ON SI	NUBBER: 2-52-5			
Tests Cond	fucted: H	lydrostatic:	Pn	eumatic:	Nominal	Operating Press	ure:
	P	ressure: N/A psi.		Test Temper	rature: N/A D		
OTE: C							
JIE. Supp	nemental shee	ts in form of lists.	sketches.	or drawings may b	e used, provide	ed: (1) size is 8-	1/2"x 11" (2)

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 12, 1999
Signed: Senior Engineer Date: April 12, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-99 to 4-7-99, and state to the best of my knowledge and belief the Owner has performed as a professional described.
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Lobert Davience Commissions: NBBZZGANI MD647  Inspector's Signature Commissions: National Board, State, and Endorsements
Date: April 28, 1999

		As Required By	the Provi	sions of the ASM	ME Code Sec	tion XI	
1. Owner:	Baltim	ore Gas Electric	Company		Date: _/	April 12, 1999	
G&E I	Building, P.O.	Box 1475, Balti	more, MD	, 21203	Unit:	Two	
2. Plant:	Calvert C	Cliffs Nuclear Po	wer Plant		R&R No	98-2-172	
1650 Cal	vert Cliffs Par	rkway; Lusby, M	MD 20657	-4702	MWO N	To: 2199800582 (PO, job no.)	
B. Work Perf	formed by: Ba	altimore Gas Ele	ectric, NEI	D, CCNPPD	Authorizat	Type Code Symbol S	Stamp: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M	MD 20657	-4702		XI Class: Two	200
. Identificati	ion of System:	System Numbe	r: 52	System	Name: Safety	Injection	
			-	B31.7 1969 ED.			
				airs/Replacements			444.
(v)pp	Daition of	Section 24 Ounz	cu for Repa	ans/Replacements		mmer 92 Ad.(IV	
. Identificati	ion of Compon	ents Repaired or	Replaced.	and Replacement			TANK TO THE PARTY OF THE PARTY
			,,		components.		ASME
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
				Azirag carrina konpo yezori de sar avan y manusin estante.	THE REAL PROPERTY OF	Replacement	(Tes of No)
HYDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73319134-18 (VB) 8109B-1-SP	N/A	2-52-9	N/A	Replaced	No
YDRAULIC ENUBBERS	GRINNELL CORP.	(CYL) 79404793-27 (VB) 80102860-9	N/A	2-52-9	1999	Replacement	No
	L			1			
. Description	n of Work:						
		E MAINTENAN	NCE ON SI	NUBBER: 2-52-9			
Did Old IDD	THE TENTI	E MAINTENAI	ACE ON SI	NODDER. 2-32-9			
. Tests Cond	lucted: H	ydrostatic:	Pne	eumatic:	Nominal	Operating Press	ure:
		ressure: N/A psi			rature: N/A D		Land
OTE: Supp	lemental sheet	ts in form of lists	sketches,	or drawings may b	e used, provid	ed: (1) size is 8-1	1/2"x 11", (2)

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: April 12, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-12-99$ to $4-7-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Warrence Commissions: NBBZZG ANI, MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: Opril 28, 1999

	THE TAX AND A SECOND CONTRACTOR OF THE CONTRACTO	As Required By t	HE FIOVE	OTOTIO OT THE MOIV	L Code Sec	tion XI	
1. Owner: _	Baltim	ore Gas Electric (	Company		Date: A	april 12, 1999	
G&E I	Building, P.O.	Box 1475, Baltim	ore, MD,	, 21203	Unit:	Two	
2. Plant:	Calvert C	liffs Nuclear Pow	er Plant		R&R No	o: <u>98-2-176</u>	
1650 Cal	vert Cliffs Par	kway; Lusby, M.	D 20657-	-4702	MWON	No: 2199800587 (PO, job no.)	
3. Work Perf	formed by: Ba	ltimore Gas Elect	tric, NEI	D, CCNPPD	Authorizat	Type Code Symbol S	Stamp: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657-	-4702		XI Class: Two	and distance lines
		System Number: on Code and Class			Name: Safet		
(b) Applica	ble Edition of	Section XI Utilized	d for Repa	airs/Replacements:	1983 Editior 1992 Ed., Su		ddenda VE/IWL)
/ TA		anta Danainad D	anland .	and Danlacement			
Name of Component	Name of Manufacturer		National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Component	Name of	Manufacturers Serial Number (CYL) 73355668-203 (VB) 98408-1-9840-1-SP	National Board No.	Other	Year	Replaced, or	Code Stamped
Name of	Name of Manufacturer	Manufacturers Serial Number 1 (CYL) 73355668-203 (VB)98408-1-	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (Yes or No)
Name of Component HYDRAULIC SNUBBERS HYDRAULIC	Name of Manufacturer  GRINNELL CORP.	(CYL) 73355668-203 (VB) 98408-1-9840-1-8P (CYL) 73355668-81 (VB)	National Board No.	Other Identification	Year Built N/A	Replaced, or Replacement	Code Stamped (Yes or No)

#### 9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 12, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-12-99$ to $4-8-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert 1) Lawrence Commissions: NB 8226 ANZ, MD 647 Inspector's Signature National Board, State, and Endorsements
Date: May 5, 1999

. Owner:	Baltim	ore Gas Electric	Company	,	Date: A	pril 1, 1999	
		(name)			Date. A	VIII X 1777	
G&E I	Building, P.O.	Box 1475, Baltin (address)	nore, MD	, 21203	Unit:	Гwo	
Plant:	Calvert C	liffs Nuclear Pow	ver Plant		R&R No	98-2-178	
1650 Cal	vert Cliffs Par	kway; Lusby, M	ID 20657-	-4702	MWON	o: 2199704515 (PO, job no.)	
Work Perf	ormed by: Ba	lltimore Gas Elec	etric, NEI	D, CCNPPD	Authorizat	Type Code Symbol S ion No: N/A Exp	tamp: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M (address)	D 20657-	-4702	Section	XI Class: Two	
Identificat	ion of System:	System Number:	52	System	Name: Safet	Injection	
(a) Applica	ble Construction	on Code and Class	: USAS	B31.7 1969 ED.			
				airs/Replacements:	1992 Ed., Su	mmer 92 Ad.(IV	
							ASME
The state of the s	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
YDRAULIC						Replaced, or	Code Stamped
YDRAULIC NUBBERS YDRAULIC	Manufacturer GRINNELL	(CYL) 78325466-85 (VB)	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Name of Component  YDRAULIC NUBBERS  YDRAULIC NUBBERS	GRINNELL CORP. GRINNELL	(CYL) 78325466-85 (VB) 78308457-121 (CYL) 76121499-446 (VB) B6987-118-	Board No.	Identification	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC VUBBERS YDRAULIC VUBBERS	GRINNELL CORP.  GRINNELL CORP.	(CYL) 78325466-85 (VB) 78308457-121 (CYL) 76121499-446 (VB) B6987-118-	Board No.	Identification	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	GRINNELL CORP.  GRINNELL CORP.	(CYL) 78325466-85 (VB) 78308457-121 (CYL) 76121499-446 (VB) B6987-118- D71C	N/A N/A	Identification	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	GRINNELL CORP.  GRINNELL CORP.  GRINNELL CORP.	(CYL) 78325466-85 (VB) 78308457-121 (CYL) 76121499-446 (VB) B6987-118- D71C	N/A  N/A  CE ON SI	2-52-26 2-52-26	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)  No  No

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached Certificate of Compliance We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbo' Camp: N/A Certificate of Au Conzation No: N/A Expiration Date: N/A Dan Hoang Senior Engineer Date: April 1, 1999 Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period /-/2-99 to 4-/-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Commissions: NB 7525 IBNA HD 765 National Board, State, and Endorsements 1999

. Owner: _	Baltim	ore Gas Electric (name)	Company	<u>v</u>	Date: M	arch 29, 1999	
G&E 1	Building, P.O.	Box 1475, Baltin (address)	nore, MD	21203	Unit: 1	<u>wo</u>	
. Plant:	Calvert C	liffs Nuclear Pow (name)	ver Plant		R&R No	98-2-179	
1650 Cal	vert Cliffs Par	kway; Lushy, M (address)	D 20657	-4702	MWO No	(PO, job no.)	
			ame)		Authorization	Type Code Symbol S on No: N/A Exp I	tamp: N/A Date: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657	-4702	Section X	I Class: One	
(a) Applica	ible Construction		: USAS	B31.7 1969 ED. t			
A. A							
(b) Applica	ible Edition of	Section XI Utilize	d for Repa	airs/Replacements:			
					1992 Ed., Sun	Summer 83 Ad imer 92 Ad.(IW	
Identificat		ents Repaired or R			1992 Ed., Sun		
Identificat	ion of Compon	ents Repaired or R	Replaced,	and Replacement C	1992 Ed., Sun components:	Repaired, Replaced, or	ASME Code Stamped
Name of Component  YDRAULIC NUBBERS  YDRAULIC	Name of Manufacturer	Manufacturers Seriai Number  (CYL) 72252902-225 (VB)	National Board No.	and Replacement C Other Identification	1992 Ed., Sun components: Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Identificate Name of Component	Name of Manufacturer  GRINNELL CORP.	Manufacturers Seriai Number  (CYL) 72252902-225 (VB) 4469-2-A (CYL) 73345359-66 (VB)	National Board No.	Other Identification	1992 Ed., Sun components:  Year Built  N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  YDRAULIC NUBBERS  YDRAULIC	Name of Manufacturer  GRINNELL CORP.	Manufacturers Seriai Number  (CYL) 72252902-225 (VB) 4469-2-A (CYL) 73345359-66 (VB)	National Board No.	Other Identification	1992 Ed., Sun components:  Year Built  N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of component YDRAULIC NUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Seriai Number  (CYL) 72252902-225 (VB) 4469-2-A (CYL) 73345359-66 (VB)	National Board No.	Other Identification	1992 Ed., Sun components:  Year Built  N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of component YORAULIC NUBBERS YORAULIC NUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Seriai Number  (CYL) 72252902-225 (VB) 4469-2-A (CYL) 73345359-66 (VB) 8678-B-2-A	National Board No.	Other Identification	1992 Ed., Sun components:  Year Built  N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: mARCH 29, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Davrence Commissions: NB8226 ANT MD647 Inspector's Signature National Board, State, and Endorsements
Date:

As Required By the Provisions of the ASME Code Section XI

1. Owner:	Baltime	ore Gas Electric	Company		Date: M	arch 20,1999	
G&E B	uilding, P.O.	Box 1475, Baltin (address)	nore, MD,	21203	Unit: 1	wo	
2. Plant:	Calvert C	liffs Nuclear Pov	ver Plant		R&R No	98-2-180	
1650 Calv	ert Cliffs Par	kway; Lusby, M	ID 20657-	4702	MWO N	0: <u>2199800590</u> (PO, job no.)	
3. Work Perfo	ormed by: Ba	ltimore Gas Elec	etric, NEI	D, CCNPPD		Type Code Symbol S on No: N/A Exp	
1650 Calv	ert Cliffs Par	kway; Lusby, M (address)	ID 20657-	-4702	Section 2	Class: One	
5. (a) Applica	ble Construction		s: USAS	B31.7 1969 ED. t		<u>D.</u>	
				airs/Replacements: and Replacement C	1992 Ed., Sur	Summer 83 Ac nmer 92 Ad.(IV	ALLEGA SALISA CHARLES AND
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 91203758-8 (VB) 16241-56	N/A	2-52-38	N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 80102861-44 (VB) 80102860-74	N/A	2-52-38	1998	Replacement	No
7. Description		VE MAINTENAN	NCE ON S	NUBBER: 2-52-38			
8. Tests Cond		lydrostatic:		eumatic:		Operating Press	sure:
	P	ressure: N/A psi	•	rest remper	rature: N/A D	cg.	

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Dan Hoang
Signed: Senior Engineer Date: March 20, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-12-99$ to $3-19-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Dawrence Commissions: NB8726 ANT MO647 Inspector's Signature National Board, State, and Endorsements
Date: April 28, 1999

As Required By the Provisions of the ASME Code Section XI Baltimore Gas Electric Company Date: April 10, 1999 G&E Building, P.O. Box 1475, Baltimore, MD, 21203 Unit: Two (address) 2. Plant: Calvert Cliffs Nuclear Power Plant R&R No: 98-2-181 (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 MWO No: 2199800591 (address) (PO, job no.) 3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD Type Code Symbol Stamp: Authorization No: N/A Exp Date: N/A 1:00 Calvert Cliffs Parkway; Lusby, MD 20657-4702 Section XI Class: One 4. Identification of System: System Number: 52 System Name: Safety Injection 5. (a) Applicable Construction Code and Class: USAS B31.7 1969 ED. thru 1971 ADD. (b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad. (TWE/IWL) 6. Identification of Components Repaired or Replaced, and Replacement Components: ASME Repaired, Code Name of Name of Manufacturers National Other Replaced, or Stamped Manufacturer Component Serial Number Board No. Identification Built Replacement (Yes or No) HYDRAULIC GRINNELL (CYL) N/A 2-52-43 N/A Replaced No **SNUBBERS** CORP. 72252902-159 (VB) 4873-2-A HYDRAULIC GRINNELL (CYL) N/A 2-52-43 1998 No Replacement **SNUBBERS** CORP. 72253902-54 (VB) 3207-2-A 7. Description of Work: PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER: 2-52-43 8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure:

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

Test Temperature: N/A Deg.

Pressure: N/A psi.

#### 9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 10, 1999  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period /-/3-99 to 4-/-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert De Saurence Commissions: NB 8726 ANI MD 647 Inspector's Signature National Board, State, and Endorsements
Date: april 28, 1999

	THE RESIDENCE OF STREET	As Required By	the Provi	sions of the ASM	E Code Sect	ion XI	
1. Owner: _	Baltimo	ore Gas Electric	Company		Date: M	larch 29, 1999	
G&E I	Building, P.O.	Box 1475, Baltin	nore, MD	. 21203	Unit: 2	<u>[wo</u>	
. Plant:	Calvert C	liffs Nuclear Pov	ver Plant		R&R No	98-2-182	
1650 Cal	vert Cliffs Par	kway; Lusby, M	ID 20657	-4702	MWO N	o: 2199800592 (PO, job no.)	
Work Perf	formed by: Ba	ltimore Gas Elec	etric, NE	D, CCNPPD	Authorizati	Type Code Symbol 8 on No: N/A Exp	Stamp: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M	ID 20657	-4702		XI Class: One	
		System Number on Code and Class		System <b>B31.7 1969 ED.</b> 1	Name: Safety		
(b) Applica	able Edition of	Section XI Utilize	ed for Repa	airs/Replacements:	1983 Edition 1992 Ed., Sur		
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	and Replacement ( Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73345358-19 (VB) 9929B-2-A	N/A	2-52-44	N/A	Replaceú	No
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 72237426-21 (VB) 6085-2-A	N/A	2-52-44	1999	Replacement	No
	-						
THE RESERVE AND PERSONS ASSESSMENT ASSESSMEN			THE RESERVE OF THE PROPERTY OF				

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: March 29, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 3-25-99, and state to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert Laurence Commissions: NBBZZ6AWI MD647 Inspector's Signature National Board, State, and Endorsements
Date: Opril 28, 1999

1. Owner:	D-14/	C TI					
. Owner: _	Baltim	ore Gas Electric (name)	Company	1	Date: M	arch 27, 1999	
G&E I	Building, P.O.	Box 1475, Baltim (address)	nore, MD	21203	Unit: 1	<u>rwo</u>	
. Plant:	Calvert C	Cliffs Nuclear Pow	ver Plant		R&R No	98-2-183	
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657	-4702	MWO N	o: 2199704500 (PO, job no.)	
Work Perf	formed by: Ba	altimore Gas Elec	tric, NE	D, CCNPPD	Authorizati	Type Code Symbol Son No: N/A Exp	Stamp: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657-	-4702		Class: One	- Anna Anna Anna Anna Anna Anna Anna Ann
Identificat	ion of System:	System Number:	52	System 1	Name: Safety	Injection	
				B31.1 1969 ED. t			
(v) Applica	iole Edition el	Section XI Utilize	a for Repa	airs/Replacements:			
Identificat		D				nmer 92 Ad.(IV	VE/IWL)
Identificati	ion of Compon	ents Repaired or F	Replaced,	and Replacement C	components:		
						Repaired,	ASME Code
Name of	Name of Manufacturer	Manufacturers Serial Number	National Board No	Other	Year	Repaired, Replaced, or	Code Stamped
	Name of Manufacturer		National Board No.	Other Identification	Year Built		Code
YDR AULIC					Built	Replaced, or Replacement	Code Stamped (Yes or No)
YDR AULIC	Manufacturer	(CYL) 73306121-204	Board No.	Identification		Replaced, or	Code Stamped
YDR AULIC	Manufacturer GRINNELL	(CYL) 73306121-204 (VB)	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Component TYDR AULIC NUBBERS	GRINNELL CORP.	(CYL) 73306121-204	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Component TYDRAULIC NUBBERS TYDRAULIC	Manufacturer GRINNELL	(CYL) 73306121-204 (VB)	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
YDRAULIC NUBBERS YDRAULIC	GRINNELL CORP.  GRINNELL	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31	Board No.	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS YDRAULIC	GRINNELL CORP.  GRINNELL	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB)	Board No.	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Component TYDRAULIC NUBBERS TYDRAULIC	GRINNELL CORP.  GRINNELL	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB)	Board No.	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Component TYDRAULIC NUBBERS TYDRAULIC	GRINNELL CORP.  GRINNELL	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB)	Board No.	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS YDRAULIC NUBBERS	GRINNELL CORP.  GRINNELL CORP.	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB)	Board No.	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS YDRAULIC NUBBERS	GRINNELL CORP.  GRINNELL CORP.	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB)	Board No.	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	GRINNELL CORP.  GRINNELL CORP.	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB) 6231B-2-A	N/A N/A	Identification  2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	GRINNELL CORP.  GRINNELL CORP.	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB) 6231B-2-A	N/A N/A	1dentification 2-52-46 2-52-46	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Component TYDRAULIC NUBBERS TYDRAULIC NUBBERS  Description	GRINNELL CORP.  GRINNELL CORP.  GRINNELL CORP.	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB) 6231B-2-A	N/A N/A CE ON SI	1dentification 2-52-46 2-52-46	Built N/A	Replaced, or Replacement  Replaced  Replaced	Code Stamped (Yes or No)  No  No
Component TYDRAULIC NUBBERS TYDRAULIC NUBBERS  Description ERFORMED	GRINNELL CORP.  GRINNELL CORP.  GRINNELL CORP.	(CYL) 73306121-204 (VB) 8040-B-2-A (CYL) 72252902-31 (VB) 6231B-2-A	N/A N/A CE ON St	2-52-46     2-52-46	Built N/A	Replaced, or Replacement  Replaced  Replaced  Operating Press	Code Stamped (Yes or No)  No  No

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: March 27, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-13-99$ to $3-24-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert W Laurence Commissions: NB 8226 ANI MD 647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: <u>April 28, 1999</u>

l. Owner: _	Baltime	ore Gas Electric (name)	Company		Date: M	arch 27, 1999	
G&E E	Building, P.O.	Box 1475, Baltin	nore, MD,	21203	Unit: 1	<u>ſwo</u>	
. Plant:	Calvert C	liffs Nuclear Pov	wer Plant		R&R No	98-2-184	
1650 Calv	vert Cliffs Par	kway; Lusby, N (address)	1D 20657-	-4702	MWO N	o: 2199704516 (r.J., job no.)	
. Work Perf	formed by: Ba	ltimore Gas Elec	ctric, NEI	D, CCNPPD	Authorizati	Type Code Symbol S on No: N/A Exp I	tamp: N/A
1650 Calv	vert Cliffs Par	kway; Lusby, M	1D 20657-	-4702	Section 2	CI Class: One	
Identificati	ion of System:	System Number	: 52	System 1	Name: Safety	Injection	
(a) Applica	ble Construction	on Code and Clas	s: USAS	B31.7 1969 ED. t	hru 1971 add		
				airs/Replacements:	1983 Edition		
. Identificati	ion of Compon	ents Renaired or	Replaced :			mici 92 Au.(IV	VE/IWL)
Name of	ion of Compon	ents Repaired or	Replaced, a	and Replacement C	Components:	Repaired,	ASME Code
Name of				and Replacement C			ASME
Name of Component	Name of	Manufacturers Serial Number (CYL) 79404793-35	National Board No.	and Replacement C	Components:	Repaired, Replaced, or	ASME Code Stamped
Name of Component TYDRAULIC NUBBERS	Name of Manufacturer  GRINNELL	Manufacturers Serial Number  (CYL) 79404793-35 (VB)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 79404793-35 (VB) 79398753-35 (CYL) 79404793-55 (VB)	National Board No.	Other Identification	Year Built N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  IYDRAULIC NUBBERS  IYDRAULIC	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 79404793-35 (VB) 79398753-35 (CYL) 79404793-55 (VB)	National Board No.	Other Identification	Year Built N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  TYDRAULIC NUBBERS  TYDRAULIC NUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 79404793-35 (VB) 79398753-35 (CYL) 79404793-55 (VB)	National Board No.	Other Identification	Year Built N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  IYDRAULIC NUBBERS  IYDRAULIC NUBBERS  Description	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 79404793-35 (VB) 6 <sup>th</sup> 79398753-35 (CYL) 79404793-55 (VB) 80102860-13	National Board No. N/A N/A N/A	Other Identification	Year Built N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  IYDRAULIC NUBBERS  IYDRAULIC NUBBERS  . Description	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 79404793-35 (VB) 679398753-35 (CYL) 79404793-55 (VB) 80102860-13	National Board No.  N/A  N/A  N/A  N/A  N/A	Other Identification  2-52-50A  2-52-50A	Year Built N/A 1999	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)  No

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: March 27, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 3-27-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or prepare described in the first the Inspector nor his employer shall be liable in any personal injury or prepare described in the first the Inspector nor his employer shall be liable in any personal injury or prepare described in the first the Inspector nor his employer shall be liable in any personal injury or prepare the second that the second the second the liable in any personal injury or prepare the second that the second the second the second the second that the second the second that the second the second that the second
Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert W. Lawrence Commissions: NB 8226 ANI MS 647 Inspector's Signature National Board, State, and Endorsements
Date: April 28, 1999

As Required By the Provisions of the ASME Code Section XI

Owner: Baltimore Gas Electric Company (name)				Date: 1	Date: March 27, 1999			
G&E	Building, P.O.	Box 1475, Baltin (address)	nore, MD	, 21203	Unit:	Two		
2. Plant:	Calvert (	Cliffs Nuclear Pos (name)	ver Plant		R&R N	o: <u>98-2-185</u>		
1650 Cal	vert Cliffs Par	rkway; Lusby, N (address)	fD 20657	-4702	MWO	No: 2199704507 (PO, job no.)		
. Work Peri	formed by: Ba	altimore Gas Elec	ctric, NE	D, CCNPPD	Authorizat	Type Code Symbol Stion No: N/A Exp	Stamp: N/A Date: N/A	
1650 Cal	vert Cliffs Par	kway; Lusby, M	ID 20657	-4702		XI Class: One		
		System Number on Code and Class		System B31.1 1969 ED. 1	Name: Safet			
				airs/Replacements:	1992 Ed., Su	mmer 92 Ad.(IV		
						Repaired.		
Name of	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
						Replaced, or	Code Stamped	
Name of Component	Manufacturer GRINNELL	(CYL) 73306121-222 (VB)	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of Component IYDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73306121-222 (VB) 8044-B-2-A (CYL) 72252902-23 (VB)	Board No.	Identification	Built N/A	Replaced, or Replacement	Code Stamped (Yes or No)	

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: March 27, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 3-27-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Commissions: NB 7525 IBNA mp 765 Inspector's Signature  Commissions: NB 7525 IBNA mp 765  National Board, State, and Endorsements
Date: APRIL 15 199 9

		As Required By	the Provi	isions of the ASM	ME Code Sec	tion XI		
. Owner: _	wner: Baltimore Gas Electric Company				Date: March 23, 1998			
G&E F	Building, P.O.	Box 1475, Baltin	nore, MD	, 21203	Unit:	Гwo		
. Plant:	Calvert C	Cliffs Nuclear Poy	wer Plant		R&R No	98-2-189		
1650 Cal	vert Cliffs Par	kway; Lusby, N	ID 20657	-4702	MWO N	(o: <u>2199704506</u> (PO, job no.)		
Work Perf	ormed by: Ba	altimore Gas Elec	ctric, NE	D, CCNPPD	Authorizat	Type Code Symbol Sion No: N/A Exp	Stamp: N/A	
1650 Calv	vert Cliffs Par	kway; Lushy, M	ID 20657	-4702		XI Class: Two	Date. NA	
Identificati	ion of System:	System Number	: 60	System	Name: Prima	ary Containmen	t Heaters	
(a) Applica	ble Construction	on Code and Clas	s: USAS	B31.7 1969 ED.			A ATCATCE S	
(o) Applica	ole Edition of	Section AI Utilize	ed for Repa	airs/Replacements		mmer 92 Ad.(IV		
Identificati	on of Compon	ents Renaired or	Renlaced	and Replacement		milet 92 Ad.(1v	VE/IVVL)	
	on or compon	ents repaired of	replaced,	and Replacement	Components:		ASME	
Name of	Name of	Manufacturers	National	Other	Year	Repaired, Replaced, or	Code	
Component	Manufacturer	Serial Number	Board No.	Identification	Buint	Replacement	Stamped (Yes or No)	
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73345358-3 (VB) 8613B-1-SP	N/A	2-60-12	N/A	Replaced	No	
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL.) 73355668-222 (VB) 9652B-1-SP	N/A	2-60-12	1998	Replacement	No	
Description	of Work:							
ERFORMED	PREVENTIV	E MAINTENAN	CE ON SI	NUBBER: 2-60-12				
Tests Cond	ucted: Hy	ydrostatic:	Pne	eumatic:	Nominal	Operating Press	ure:	
	Pr	essure: N/A psi.		Test Towns	ATIA D			
		vasure. 14/21 psi.		rest remper	ature: N/A D	eg.		

#### 9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No. N/A Expiration Date: N/A  Dan Hoang
Signed: Senior Engineer Date: March 23, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Lespectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period 1-13-99 to 3-20-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Commissions: NB8226 ANI, MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: _ april 28, 1999

Processor Control of Administration Control		As Required By	the Prov	isions of the ASM	E Code Secti	on XI			
1. Owner: _	Owner: Baltimore Gas Electric Company (name)				Date: A	Date: April 1, 1999			
G&E I	Building, P.O.	Box 1475, Baltin	nore, MD	, 21203	Unit: <u>T</u>	wo.			
2. Plant:	Calvert C	Cliffs Nuclear Pow	ver Plant		R&R No:	98-2-191			
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657	-4702	MWO No	2199800593 (PO, job no.)			
3. Work Perf	ormed by: Ba	altimore Gas Elec	tric, NE	D, CCNPPD	Authorizatio	Type Code Symbol S	tamp: N/A Date: N/A		
1650 Cal	vert Cliffe War	kway; Lusby, M (address)	D 20657	-4702	Section X	Ticlass: Two	- Andrew College		
4. Identificat	ion of System:	System Number:	61	System	Name: Contai	nment Spray			
5. (a) Applica	ble Constructi	on Code and Class	: USAS	B31.7 1969 ED. t	hru 1971 ADI	<u>).</u>			
6. Identificat	ion of Compon			airs/Replacements: and Replacement C	1992 Ed., Sun	Summer 83 Ad imer 92 Ad.(IW Repaired, Replaced, or			
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Replacement	(Yes or No)		
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 73355668-124 (VB) 9422B-1-SF	N/A	2-61-3	N/A	Replaced	No		
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 73355668-427 (VB) 9854B-1-SP	N/A	2-61-3	1998	Replacement	No		
7. Description		/E MAINTENAN	CE ON S	NUBBER: 2-61-3					
8. Tests Conc		ydrostatic:  ressure: N/A psi.	Pn	eumatic:   Test Temper	Nominal (	Operating Pressu	ure:		

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached Certificate of Compliance We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Dan Hoang Senior Engineer Date: April 1, 1999 Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 3-29-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Lobert Saurence Commissions: NB8226ANI, MD647

Inspector's Signature Commissions: National Board, State, and Endorsements

Date: April 28, 1999

N/A

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

As Required By the Provisions of the ASME Code Section XI **Baltimore Gas Electric Company** Date: April 10, 1999

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

Calvert Cliffs Nuclear Power Plant

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 (address)

3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 (address)

Section XI Class: Two

System Name: Containment Spray

Unit: Two

R&R No: 98-2-192

MWO No: 2199800595

(PO, job no.)

Authorization No: N/A Exp Date: N/A

Type Code Symbol Stamp:

4. Identification of System: System Number: 61

5. (a) Applicable Construction Code and Class: USAS B31.7 1969 ED. thru 1971 ADD.

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 73345358-78 (VB) 8755B-1-SP	N/A	2-61-4	N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 79404793-61 (VB) 79398753-202	N/A	2-61-4	1999	Replacement	No

199	n				
1.	Descr	iption	of	Wor	k:

PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER: 2-61-4

8. Tests Conducted:

Hydrostatic:

Pneumatic:

Nominal Operating Pressure:

Pressure: N/A psi.

Test Temperature: N/A Deg.

9. Remarks:

applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp:N/A Expiration Date:N/A
Signed: Dan Hoang Senior Engineer Date: April 10, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period 1-13-99 to 4-2-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert D. Lawrence Commissions: NBBZZGANI MD647  Inspector's Signature Commissions: NBBZZGANI MD647  National Board, State, and Endorsements
Date: Opril 28, 1999

As Required E	y the	Provisions of	the ASME	Code	Section XI
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	Baltime	ore Gas Electric (name)	Company		Date: M	arch 29, 1999	
G&E B	uilding, P.O.	Box 1475, Baltin	nore, MD,	21203	Unit: 1	<u>`wo</u>	
2. Plant:	Calvert C	liffs Nuclear Pov	ver Plant		R&R No	98-2-193	
1650 Calv	ert Cliffs Par	kway; Lusby, M (address)	ID 20657-	4702	MWO N	0: <u>2199704489</u> (PO, job no.)	
3. Work Perfe	ormed by: Ba	ltimore Gas Elec	ctric, NEI	O, CCNPPD		Type Code Symbol S on No: N/A Exp I	
1650 Calv	ert Cliffs Par	kway; Lusby, M (address)	ID 20657-	4702	Section 2	KI Class: Two	
4. Identificati	on of System:	System Number	: 63	System	Name: Steam	Generator Blo	wdown
5. (a) Applica	ble Construction	on Code and Clas	s: USAS	B31.7 1969 ED. 1	thru 1971 AD	<u>D.</u>	
(b) Applica	ble Edition of	Section XI Utilize	ed for Repa	nirs/Replacements:	-	and particular transmission of the second	CONTRACTOR OF THE PARTY OF THE
					1992 Ed., Sur	mmer 92 Ad.(IV	VE/IWL)
6. Identificati	on of Compon	ents Repaired or	Replaced, a	and Replacement (	Components:	Repaired,	ASME Code
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or No)
anno adamenta an	MANUFACTOR SAME OF STREET	CONTRACTOR STUDENTS AND STUDENTS OF STUDEN		THE RESIDENCE OF THE PROPERTY	THE SHARE WHEN SHEET AND AN ARRANGE SHEET	and represent the same assessment order	A THIRD IS A CONTRACTOR OF
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 79404794-86 (VB)	N/A	2-63-2	N/A	Replaced	No
		80102860-15					
HYDRAULIC SNUBBERS	GRINNELL CORP.	80102860-15 (CYL) 79404793-56 (VB) 80102860-7	N/A	2-63-2	1998	Replacement	No
		(CYL) 79404793-56 (VB)	N/A	2-63-2	1998	Replacement	No
		(CYL) 79404793-56 (VB)	N/A	2-63-2	1998	Replacement	No
SNUBBERS	CORP.	(CYL) 79404793-56 (VB)	N/A	2-63-2	1998	Replacement	No
SNUBBERS	CORP.	(CYL) 79404793-56 (VB)	N/A	2-63-2	1998	Replacement	No
7. Description	n of Work:	(CYL) 79404793-56 (VB) , 80102860-7		2-63-2 NUBBER: 2-63-2	1998	Replacement	No
7. Description	n of Work:	(CYL) 79404793-56 (VB) , 80102860-7	NCE ON SI			Replacement  Operating Press	
7. Description	n of Work: D PREVENTIV	(CYL) 79404793-56 (VB) 80102860-7	NCE ON SI	NUBBER: 2-63-2	Nominal	Operating Press	
7. Description PERFORMEI 8. Tests Cond	n of Work:  D PREVENTIV	(CYL) 79404793-56 (VB) 80102860-7  VE MAINTENAN  lydrostatic:  ressure: N/A psi	NCE ON SI	NUBBER: 2-63-2	Nominal rature: N/A D	Operating Press	sure:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A  Dan Hoang
Signed: Senior Engineer Date: March 29, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 3-23-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied,
concerning the examir ations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Wawrence Commissions: NBBZZGANZ MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: april 30, 1999

As Required By the Provisions of the ASME Code Section XI

1. Owner: _	Baltim	ore Gas Electric	Company		Date: A	april 3, 1999	
G&E B	Building, P.O.	Box 1475, Baltin (address)	nore, MD,	21203	Unit:	Two	
2. Plant:	Calvert C	Cliffs Nuclear Pov	wer Plant		R&R N	0: 98-2-194	
1650 Calv	vert Cliffs Par	kway; Lusby, N	ID 20657-	4702	MWO	No: <u>2199704437</u> (PO, job no.)	
3. Work Perfe	ormed by: Ba	altimore Gas Elec	ctric, NEI	D, CCNPPD	Authoriza	Type Code Symbol Stion No: N/A Exp	
1650 Calv	vert Cliffs Par	kway; Lusby, M	ID 20657-	-4702	Section	XI Class: Two	
4. Identificati	ion of System:	System Number	: 63	System	Name: Steam	n Generator	
		Section XI Utilize			1992 Ed., Su	n, Summer 83 Ad Immer 92 Ad.(IX	VE/IWL)
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 33156120-9 (VB) VB-11/VB-24	N/A	2-63-19	N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 33156120- <b>X</b> 3 (VB) VB-26/VB-36		2-63-19	1998	Replacement	No
7. Description		VE MAINTENAN	NCE ON SI	NUBBER: 2-63-1	9		
8. Tests Cond	ducted: H	lydrostatic:	Pne	eumatic:	Nomina	l Operating Press	sure:
	P	ressure: N/A psi		Test Tempe	erature: N/A I	Deg.	
NOTE: Supp	olemental shee	ts in form of lists,	sketches,	or drawings may	be used, provid	led: (1) size is 8-	1/2"x 11", (2)

Applicable Manufactu-cr's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 3, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 3-26-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Lobert Signature Commissions: NB8226 ANI, MD647  Inspector's Signature National Board, State, and Endorsements
Date: May 5, 1999

Name of Name of Manufacturers National Other Year Replaced, or Stamped	1. Owner:	Baltime	ore Gas Electric	Company		Date: Ap	Date: April 3, 1999			
1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702   MWO No: 2199704492 (PO, job no.)	G&E B	uilding, P.O.		more, MD,	21203	Unit: To	wo			
Work Performed by: Baltimore Gas Electric, NED, CCNPPD   Type Code Symbol Stamp: N/A   Authorization No: N/A   Exp Date: N/A	Plant:	Calvert C	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED ASSESSMENT O	wer Plant		R&R No:	98-2-195			
(name)  Authorization No: N/A Exp Date: N/A  1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702  Section XI Class: Two  Identification of System: System Number: 63  System Name: Steam Generator  S. (a) Applicable Construction Code and Class: CE 8067-487-503  (b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL)  S. Identification of Components Repaired or Replaced, and Replacement Components:  Name of Name of Manufacturers National Other Year Replaced, or Stamped Component Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No.)  HYDRAULIC GRINNELL (CYL) N/A 2-63-24  HYDRAULIC GRINNELL (CYL) (CYL) SIJ16861-1 (VB) 16219-4  HYDRAULIC GRINNELL (CYL) 92216861-1 (VB) 16219-4	1650 Calv	ert Cliffs Par		MD 20657-	4702	MWO No				
(address)  I. Identification of System: System Number: 63  System Name: Steam Generator  I. (a) Applicable Construction Code and Class: CE 8067-487-503  (b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL)  I. Identification of Components Repaired or Replaced, and Replacement Components:    Name of Name of Manufacturers National Other Year Replaced, or Replaced, or Replaced, or Replaced (Yes or No)    Hydraulic Grinnell (CYL) 33156120-38 (VB) ZB-19/ZB-20    Hydraulic Grinnell (CYL) 33156120-38 (VB) ZB-19/ZB-20    Hydraulic Grinnell (CYL) N/A 2-63-24   1999 Replacement No    No Stamped (Yes or No)	. Work Perfo	ormed by: Ba			D, CCNPPD					
(b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL)  6. Identification of Components Repaired or Replaced, and Replacement Components:  Name of Name of Manufacturers Serial Number Board No. Identification Built Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replacement Component Replacement (Yes or No.)  HYDRAULIC GRINNELL (CYL) N/A 2-63-24 N/A Replaced No.  HYDRAULIC GRINNELL (CYL) N/A 2-63-24 1999 Replacement No.  HYDRAULIC GRINNELL (CYL) N/A 2-63-24 1999 Replacement No.	1650 Calv	ert Cliffs Par		MD 20657-	4702	Section X	I Class: Two			
(b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad. (IWE/IWL)  6. Identification of Components Repaired or Replaced, and Replacement Components:    Name of Name of Manufacturer	Identificati	on of System:	System Number	r: <u>63</u>	System 1	Name: Steam	Generator			
Name of Name of Manufacturer Serial Number Board No. Identification Built Replaced, or Replacement (Yes or No.)  HYDRAULIC CORP. 33156120-38 (VB) ZB-19/ZB-20 N/A 2-63-24 N/A Replaced No.  HYDRAULIC CORP. 92216861-1 (VB) 16219-4 N/A 2-63-24 1999 Replacement No.	(a) Applica	ble Construction	on Code and Clas	ss: CE 800	67-487-503					
Name of Name of Manufacturer Serial Number Board No. Identification Built Replaced, or Replaced (Yes or No.)  IYDRAULIC GRINNELL (CYL) N/A 2-63-24 N/A Replaced No.										
Name of Name of Manufacturer Serial Number Board No. Identification Paulit Replaced, or Replaced, or Replaced, or Replacement (Yes or No.)  HYDRAULIC GRINNELL CORP. 33156120-38 (VB) ZB-19/ZB-20  HYDRAULIC GRINNELL (CYL) N/A 2-63-24 N/A Replaced No. Shubbers CORP. 92216861-1 (VB) 16219-4	(b) Applica	ble Edition of	Section XI Utiliz	ed for Repa				STREET,		
SNUBBERS CORP. 33156120-38 (VB) ZB-19/ZB-20  HYDRAULIC GRINNELL (CYL) N/A 2-63-24 1999 Replacement No SNUBBERS CORP. 92216861-1 (VB) 16219-4						1992 Ed., Sum		STREET,		
SNUBBERS CORP. 33156120-38 (VB) ZB-19/ZB-20  HYDRAULIC GRINNELL (CYL) N/A 2-63-24 1999 Replacement No SNUBBERS CORP. 92216861-1 (VB) 16219-4	5. Identificati	on of Compon	ents Repaired or	Replaced, a	and Replacement C	1992 Ed., Sum components:	Repaired, Replaced, or	ASME Code		
SNUBBERS CORP. 92216861-1 (VB) 16219-4	5. Identificati  Name of  Component	on of Compon  Name of  Manufacturer	ents Repaired or  Manufacturers Serial Number	Replaced, a	and Replacement C Other Identification	1992 Ed., Sum Components: Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
	Name of Component	on of Compon Name of Manufacturer GRINNELL	Manufacturers Serial Number  (CYL) 33156120-38 (VB)	Replaced, a National Board No.	and Replacement C Other Identification	1992 Ed., Sum Components: Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
	Name of Component HYDRAULIC SNUBBERS HYDRAULIC	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 33156120-38 (VB) ZB-19/ZB-20 (CYL) 92216861-1 (VB) 16219-4	Replaced, a National Board No.	Other Identification	omponents:  Year Built  N/A	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided: (1) size is 8-1/2"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.

Pneumatic:

Test Temperature: N/A Deg.

Nominal Operating Pressure:

Hydrostatic:

Pressure: N/A psi.

8. Tests Conducted:

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 3, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-13.99$ to $4-2-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert Lawrence Commissions: NBB226ANI MD647 Inspector's Signature Commissions: NBB226ANI MD647 National Board, State, and Endorsements
Date: May 11, 1999

		As Required By	the Provi	sions of the ASM	E Code Sec	tion XI	
1. Owner:	Baltim	ore Gas Electric	Company		Date: A	April 3, 1999	
G&E B	Building, P.O.	Box 1475, Baltin (address)	more, MD	, 21203	Unit:	Two	
2. Plant:	Calvert C	Cliffs Nuclear Por	wer Plant	**************************************	R&R N	o: <u>98-2-196</u>	
1650 Calv	vert Cliffs Par	kway; Lusby, N	AD 20657	-4702	MWO	No: <u>2199704497</u> (PO, job no.)	
3. Work Perfe	ormed by: Ba	altimore Gas Ele	ctric, NE	D, CCNPPD	Authoriza	Type Code Symbol 8	Stamp: N/A Date: N/A
1650 Calv	ert Cliffs Par	kway; Lusby, N	1D 20657	-4702	Section	XI Class: Two	
4. Identificati	ion of System:	System Number	r: <u>63</u>	System	Name: Steam	n Generator	
5. (a) Applica	ble Construction	on Code and Clas	s: CE 80	67-487-503			
(b) Applica	ble Edition of	Section XI Utiliz	ed for Rep	airs/Replacements:		n, Summer 83 Ad mmer 92 Ad.(IV	THE PARTY AND PERSONS ASSESSED.
6. Identificati	ion of Compon	ents Repaired or	Replaced,	and Replacement (	Components:		
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 33156120-42 (VB) ZB-6/ZB-15	N/A	2-63-25	N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 33156120-47 (VB) ZB-1/ZB-4	N/A	2-63-25	1999	Replacement	No
7. Description	n of Work:						
PERFORMED	PREVENTIV	VE MAINTENAN	NCE ON S	NUBBER: 2-63-25			
8. Tests Cond	lucted: H	ydrostatic:	Pn	eumatic:	Nomina	Operating Press	ure:
	P	ressure: N/A psi		Test Temper	ature: N/A I	Deg.	
NOTE: Supp	lemental sheet	ts in form of lists,	sketches,	or drawings may b	e used, provid	led: (1) size is 8-1	1/2"x 11", (2)

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: April 3, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-13-99 to 4-1-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Lobert Ly Lawrence Commissions: NB8226 ANI MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: Opril 30, 1999

		As Required By	the Provi	sions of the ASM	E Code Sect	on XI	
1. Owner:	Baltim	ore Gas Electric	Company		Date: M	arch 31, 1999	
G&E B	uilding, P.O.	Box 1475, Baltin	nore, MD,	21203	Unit: 1	<u>Cwo</u>	
2. Plant:	Calvert C	liffs Nuclear Por	wer Plant		R&R No	98-2-197	
1650 Calv	ert Cliffs Par	kway; Lusby, N	1D 20657-	-4702	MWO N	o: 2199800596 (PO, job no.)	
3. Work Perfo	ormed by: Ba	ltimore Gas Ele	ctric, NEI	D, CCNPPD	Authorizati	Type Code Symbol S on No: N/A Exp 1	tamp: N/A
1650 Calv	ert Cliffs Par	kway; Lusby, N		-4702		Class: Two	
. Identificati	on of System:	System Number	:: <u>63</u>	System	Name: Steam	Generator	
5. (a) Applical	ble Construction	on Code and Clas	s: <u>CE 80</u>	67-487-503			
(b) Applica	ble Edition of	Section XI Utiliz	ed for Repa	airs/Replacements:		Summer 83 Ad	E ACCUMUNICATION OF THE PARTY O
6. Identificati	on of Compon	ents Repaired or	Replaced,	and Replacement (			-
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
annous miles our resultant and a	And the state of t						
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) XAAG9443- 001 (VB) C1018-879	N/A	2-63-26	N/A	Replaced	No
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 33156120-36 (VB) ZB-24/ZB-25	N/A	2-63-26	1999	Replacement	No
7. Description	n of Work:						
		VE MAINTENAN	NCE ON S	NUBBER: 2-63-26			
8. Tests Cond		ydrostatic:		eumatic:  Test Temper	Nominal rature: N/A D	Operating Press	ure:

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: March 31, 1999
Signed: Senior Engineer Date: March 31, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
Certificate of inscriber hispection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period 1-13-99 to 3-30-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Commissions: 75-25 NB IBNA mb 765 Inspector's Signature  Commissions: 75-25 NB IBNA mb 765  National Board, State, and Endorsements
Date: APRIL 14 1999

THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	CONTRACTOR OF THE PROPERTY OF	As Required By	y the Prov	isions of the ASN	ME Code Sec	tion XI	MANAGEMENT A SECRET A SECRET ASSESSMENT ASSE
. Owner: _	Baltin	nore Gas Electri	c Company	Υ	Date: A	pril 10, 1999	
G&E I	Building, P.O.	Box 1475, Balti (address)	more, MD	, 21203	Unit:	Two	
Plant:	Calvert (	Cliffs Nuclear Po	wer Plant	-	R&R No	o: <u>98-2-198</u>	
1650 Cal	vert Cliffs Par	rkway; Lusby, J	MD 20657	-4702	MWO N	No: 2199704508	
Work Perf	formed by: Ba	altimore Gas Ele	ectric, NE	D, CCNPPD	Authorizat	(PO, job no.)  Type Code Symbol : ion No: N/A Exp	Stamp: N/A
1650 Cals	vert Cliffs Par	kway; Lusby, !	MD 20657	-4702		XI Class: One	Date: N/A
Identificati	ion of System:	(address) System Numbe	r: 64	System	Name: React	or Coolant	
				B31.7 1969 ED.			
(o) rippiica	ioic Edition of	Section AI Offin	ted for Rep	airs/Replacements:	1983 Edition	Mmer 92 Ad.(IV	ddenda VE/TVV
Identificati	ion of Compor	ents Renaired or	Replaced	and Replacement (	Components:	miner 92 Au.(I)	WE/IWL)
	on or compor	ients repaired of	Replaced,	and Replacement	omponents:		ASME
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73326235-49 (VB) 8300B-1-SP	N/A	2-64-9	N/A	Replaced	No
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) C-98-10-01 (VB) 9126B-1-SP	N/A	2-64-9	1998	Replacement	No
Description		/E MAINTENAN	NCE ON SI	NUBBER: 2-64-9			
			21.01	2000			
Tests Cond	ucted: H	ydrostatic:	Pno	eumatic:	Nominal	Operating Press	ure:
	Pr	essure: N/A psi		Test Tempera	ature: N/A D	eg.	

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 10, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period $1-14-99$ to $4-6-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert La Lawrence Commissions: NB8ZZCWZ MD 647  Inspector's Signature National Board, State, and Endorsements
Date:

	THE RESERVE OF THE PROPERTY OF	As Required By t		THE PROPERTY OF THE PROPERTY O	ACTION DE LA COMMUNICACIÓN DE COMMUNICACIÓN DE LA COMPUNICACIÓN DE COMPUNI	COLL ASI	PERSONAL MEMBERSHIPPER
1. Owner: _	Baltime	ore Gas Electric (	Company		Date: A	pril 9, 1999	
G&E I	Building, P.O.	Box 1475, Baltim (address)	ore, MD,	21203	Unit: 1	<u>`wo</u>	
2. Plant:	Calvert C	liffs Nuclear Pow	er Plant		R&R No:	98-2-199	
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657-	4702	MWO No	2199704505 (PO, job no.)	
3. Work Perf	formed by: Ba	ltimore Gas Elect	tric, NEI	D, CCNPPD	Authorizatio	Type Code Symbol S on No: N/A Exp	Stamp: N/A Date: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657-	4702		I Class: One	
5. (a) Applica	ble Construction		USAS	B31.7 1969 ED. thairs/Replacements:	1983 Edition,	<u>).</u>	THE SECURITY OF THE SECURITY S
6. Identificat	ion of Compon	ents Repaired or R	enlaced a	and Replacement C	omponents:		
Name of Component	Name of Manufacturer	Manufacturers	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of		Manufacturers	National	Other	Year	Replaced, or	Code Stamped
Name of Component	Manufacturer GRINNELL	Manufacturers Serial Number I (CYL) 73345358-59 (VB)	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (Yes or No)
Name of Component  HYDRAULIC SNUBBERS  HYDRAULIC	GRINNELL CORP.	Manufacturers Serial Number I (CYL) 73345358-59 (VB) 8614B-1-SP (CYL) 74402396-163 (VB)	National Board No.	Other Identification	Year Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 9, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-44-99$ to $4-8-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert Dawrence Commissions: NB8226 NI MO647 Inspector's Signature National Board, State, and Endorsements
Date:

l. Owner:	Baltim	ore Gas Electric (name)	Company		Date: A	pril 9, 1999	
G&E I	Building, P.O.	Box 1475, Baltin	nore, MD.	, 21203	Unit:	Two	
. Plant:	Calvert C	liffs Nuclear Pow (name)	ver Plant		R&R N	o: <u>98-2-200</u>	
1650 Cal	vert Cliffs Par	kway; Lusby, M (address)	ID 20657-	-4702	MWO	No: <u>2199800597</u> (PO, job no.)	
. Work Perf	formed by: Ba	ltimore Gas Elec	etric, NEI	D, CCNPPD	Authoriza	Type Code Symbol Stion No: N/A Exp	
1650 Cal	vert Cliffs Par	kway; Lusby, M (address)	ID 20657-	-4702	Section	XI Class: One	
. Identificat	ion of System:	System Number	: 64	System	Name: Reac	tor Coolant	
(a) Applica	ble Construction	on Code and Class	s: USAS	B31.7 1969 ED. t	hru 1971 AD	D.	
(b) Applica	ble Edition of	Section XI Utilize	ed for Repa	airs/Replacements:		n, Summer 83 Ad mmer 92 Ad.(IV	Characteristics
. Identificat	ion of Compon	ents Repaired or I	Replaced,	and Replacement (	Components:		
Name of	Name of Manufacturer	ents Repaired or I Manufacturers Serial Number	Replaced, a	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASMI Code Stamped (Yes or No)
Name of Component	Name of	Manufacturers	National	Other	Year	Replaced, or	Code
Name of Component IYDRAULIC NUBBERS	Name of Manufacturer  GRINNELL	Manufacturers Serial Number (CYL) 74402396-178 (VB)	National Board No.	Other Identification	Year Built	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
	Name of Manufacturer  GRINNELL CORP.  GRINNELL	(CYL) 74402396-178 (VB) 10281B-1-SP (CYL) 73326235-87 (VB)	National Board No.	Other Identification	Year Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Name of Component IYDRAULIC NUBBERS IYDRAULIC NUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	(CYL) 74402396-178 (VB) 10281B-1-SP (CYL) 73326235-87 (VB)	National Board No.	Other Identification	Year Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Name of Component  IYDRAULIC NUBBERS  IYDRAULIC NUBBERS  O Descriptio	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 74402396-178 (VB) 10281B-1-SP  (CYL) 73326235-87 (VB) 8269B-1-SP	National Board No.	Other Identification	Year Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Name of Component  IYDRAULIC NUBBERS  IYDRAULIC NUBBERS  O Descriptio	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 74402396-178 (VB) 10281B-1-SP  (CYL) 73326235-87 (VB) 8269B-1-SP	National Board No.	Other Identification  2-64-12A  2-64-12A	Year Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 9, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $4-8-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert W. Saurence Commissions: NBBZZGANT MO647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: _ April 28, 1999

	THE COLUMN TWO COLUMNS AND A COLUMN TO THE COLUMN TWO COLUMNS AND THE COLUMNS AND THE COLUMN TWO COLUMNS AND THE COLUMNS AND THE COLUMN TWO COLUMNS AND THE COLUMN TWO COLUMNS AND THE	As Required By	the Provi	isions of the ASM	E Code Sec	tion XI	
. Owner: _	Baltin	nore Gas Electric (name)	Company	Υ	Date: N	1arch 20, 1999	
G&E I	Building, P.O.	Box 1475, Baltin	nore, MD	, 21203	Unit:	Two	
. Plant:	Calvert (	(address)	ver Plant		R&R N	o: 98-2-201	
		(name)			NOCK 140	0. 98-2-241	
1650 Cal	vert Cliffs Pa	rkway; Lusby, M (address)	D 20657	-4702	MWON	No: 2199704498 (PO, job no.)	
Work Perf	formed by: B	altimore Gas Elec	etric, NEI	D, CCNPPD	Authorizat	Type Code Symbol Sion No: N/A Exp	Stamp: N/A Date: N/A
1650 Cal	vert Cliffs Par	rkway; Lushy, M	D 20657	-4702	Section .	Al Class: One	
Identificat	ion of System:	System Number:	: 64	System	Name: React	or Coolant	
(a) Applica	ble Constructi	on Code and Class	s: USAS	B31.7 1969ED. tl			
				airs/Replacements:			ddenda
				and a topicomonics.		mmer 92 Ad.(IV	
Identificati	ion of Compor	nents Repaired or F	Replaced,	and Replacement (			- Lander and Lander an
				•	, and a second		ASME
Name of	Name of	Manufacturers	National	Other	Year	Repaired, Replaced, or	Code Stamped
component	Manufacturer	Serial Number	Board No.	Identification	Built	Replacement	(Yes or No)
YDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73355668-223 (VB) 9883B-A-SP	N/A	2-64-15	N/A	Replaced	No
YDRAULIC	GPINNELL	(CYL)	N/A	2-64-15	1999	Placement	No
NUBBERS	CORP.	73326235-90 (VB) 8375B-1-SP					
Description	of Work:						
ERFORMED	PREVENTIV	VE MAINTENAN	CE ON SI	NUBBER: 2-64-15			
			01.0.				
Tests Cond	lucted: H	lydrostatic:	Pne	eumatic:	Nominal	Operating Press	ure:
	P	ressure: N/A psi.		Test Tempera	ature: N/A D	leg.	
OTE: Supp	Items 1 three	ts in form of lists,	sketches, o	or drawings may be	e used, provide	ed: (1) size is 8-1	1/2"x 11", (2)
ormation in	nems i throu	ign o on this report	I is include	ed on each sheet, a	nd (3) each sh	eet is numbered	and the numb

of sheets is recorded at the top of this form.

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached Certificate of Compliance We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Dan Hoang Senior Engineer Date: March 20, 1999 Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-14-99 to 3-19-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Lobert Dawrence Commissions: NB8226 WZ, M0647

Inspector's Signature National Board, State, and Endorsements

Date: Opril 30, 1999

As Required By the Provisions of the ASME Code Section XI

THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SE	OMOTOV NORMANIA ORDANIA SERVICE POLITICA	TANDEL AND TRANSPORTED THE SERVICE COMP. TANDAMENT AND THE		Manager and the second and the secon	THE RESIDENCE OF STREET, STREE	CONTRACTOR OF THE CAMPAGE AND ADDRESS OF THE OWNER.	THE RESIDENCE AND ADDRESS OF THE PERSON OF T
Owner:	Baltimo	ore Gas Electric (name)	Company		Date: A	April 12, 1999	
G&E B	uilding, P.O.	Box 1475, Baltim (address)	ore, MD,	21203	Unit:	Гwo	
Plant:	Calvert C	liffs Nuclear Pow (name)	er Plant		R&R No	98-2-202	
1650 Calv	ert Cliffs Par	kway; Lusby, M (address)	D 20657-	4702	MWO N	io: 2199704495 (PO, job no.)	
. Work Perfo	ormed by: Ba	ltimore Gas Elec	tric, NEI	O, CCNPPD	Authorizat	Type Code Symbol S ion No: N/A Exp I	
1650 Calv	ert Cliffs Par	kway; Lusby, M	D 20657-	4702	Section	XI Class: One	
Identificati	on of System:	System Number:	64	System	Name: React	tor Coolant	
(a) Applical	ble Construction	on Code and Class	S: USAS	B31.7 1969 ED.	thru 1971 AD	D.	
***							Idanda
(b) Applical	ble Edition of	Section XI Utilize	ed for Repa	airs/Replacements			
					1992 Ed., Su	mmer 92 Ad.(IV	VE/IWL)
Identificati	on of Compon	ents Repaired or I	Replaced.	and Replacement	Components:		
. Identificati	on or compon	one repaired or r	copiacoa,	and replacement	Component.		ASME
						Repaired,	Code
Name of	Name of	Manufacturers	National	Other	Year	Replaced, or	Stamped
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Replacement	(Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 73326235-98 (VB)	N/A	2-64-18	N/A	Replaced	No
HYDRAULIC	GRINNELL	8492B-1-SP (CYL)	N/A	2-64-18	1998	Replacement	No
SNUBBERS	CORP.	73355668-436 (VB) 6400B-2-A	1300				
7. Description		VE MAINTENAN	NCE ON S	NUBBER: 2-64-1	8		
8. Tests Cond	ducted: F	lydrostatic:	Pn	eumatic:	Nomina	l Operating Press	sure:
	F	ressure: N/A psi		Test Tempo	erature: N/A	Deg.	
NOTE: Supplinformation in	plemental shee	ets in form of lists, ugh 6 on this repo	sketches,	or drawings may ded on each sheet,	be used, provide and (3) each s	ded: (1) size is 8- sheet is numbered	1/2"x 11", (2 and the num

of sheets is recorded at the top of this form.

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A  Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 12, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $4-5-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Lobert Surence Commissions: NB 8226 ANT MD 647  Inspector's Signature National Board, State, and Endorsements
Date: april 30, 1999

As Required By the Provisions of the ASME Code Section XI

		(name)				oril 10, 1999	
G&EI	Suilding, P.O.	Box 1475, Baltin (address)	nore, MD,	21203	Unit: 1	wo	
. Plant:	Calvert C	liffs Nuclear Pov	wer Plant		R&R No	98-2-203	
1650 Cal	vert Cliffs Par	kway; Lusby, N (address)	1D 20657-	4702	MWO N	(PO, job no.)	
. Work Perf	formed by: Ba	ltimore Gas Elec	ctric, NEI	O, CCNPPD		Type Code Symbol S on No: N/A Exp I	
1650 Cal-	vert Cliffs Par	kway; Lusby, N	1D 20657-	4702	Section 3	I Class: One	
. Identificat	ion of System:	System Number	: 64	System	Name: Reacte	or Coolant	
(a) Applica	ble Construction	on Code and Clas	s: USAS	B31.7 1969 ED. t	hru 1971 ADI	<u>D.</u>	
(b) Applica	ble Edition of	Section XI Utiliz	ed for Repa	airs/Replacements:		Summer 83 Ad.	
Identificat	ion of Compon	ents Renaired or	Replaced :	and Replacement C		nmer 92 Au.(IV	VE/IWL)
	ion or compon	ems repaired or	replaced, e	and replacement c	omponents.		
Name of	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Component	Name of Manufacturer	Serial Number	Board No.	Identification	Buih	Replacement	Code Stamped (Yes or No)
Name of	Name of					Replaced, or	Code Stamped
Name of Component HYDRAITIC DUBBERS HYDRAULIC	Name of Manufacturer	(CYL) 79404793-58 (VB)	Board No.	Identification	Buih	Replacement	Code Stamped (Yes or No)
Name of Component	Name of Manufacturer  GRINNELL CORP.  GRINNELL	(CYL) 79404793-58 (VB) 80102860-3 (CYL) 79404793-5 (VB)	Board No.	Identification  2-64-19	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Name of Component HYDRAITIC NUBBERS HYDRAULIC ENUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	(CYL) 79404793-58 (VB) 80102860-3 (CYL) 79404793-5 (VB)	Board No.	Identification  2-64-19	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Name of Component  HYDRAITIC  UBBERS  HYDRAULIC  NUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	(CYL) 79404793-58 (VB) 80102860-3 (CYL) 79404793-5 (VB) 80102860-17	N/A N/A	Identification  2-64-19	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)
Name of Component  HYDRAITIC  NUBBERS  HYDRAULIC SNUBBERS  7. Descriptio	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	(CYL) 79404793-58 (VB) 80102860-3 (CYL) 79404793-5 (VB) 80102860-17	N/A  N/A  N/CE ON SI	2-64-19 2-64-19	Built N/A	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)  No

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached Certificate of Compliance We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Certificate of Authorization No: N/A Expiration Date: N/A Dan Hoang Senior Engineer Date: April 10, 1999 Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected components described in this Owner's Report during the period 1-14-99 to 4-3-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Lobert Dawrence Commissions: NB822CANI MD647

National Board, State, and Endorsements

Date: Opril 30, 1999

STATEMENT OF THE PERSON NAMED IN COLUMN 1 AND THE PERSON NAMED IN	Total Control Production	As Required By	the Provi	sions of the ASM	E Code Sect	on XI	
1. Owner: _	Baltim	ore Gas Electric	Company	1	Date: M	arch 29, 1999	And the state of t
G&E 1	Building, P.O.	Box 1475, Baltin	ore, MD.	21203	Unit: 1	<u>`wo</u>	
2. Plant:	Calvert C	liffs Nuclear Pow (name)	er Plant	75	R&R No	98-2-204	
1650 Cal	vert Cliffs Par	kway; Lusby, M (address)	D 20657	-4702	MWO N	2199800598 (PO, job no.)	
3. Work Perf	formed by: Ba	ltimore Gas Elec	tric, NEI	D, CCNPPD	Authorization	Type Code Symbol S on No: N/A Exp I	tamp: N/A Date: N/A
1650 Cal	vert Cliffs Par	kwav; Lusby, M (address)	D 20657-	4702		I Class: One	
		System Number:			Name: Reacte		
5. (a) Applica	ible Construction	on Code and Class	: USAS	B31.7 1969 ED. t	hru 1971 ADI	<u>).</u>	
		ents Repaired or F	Replaced,	and Replacement C	1992 Ed., Sun Components:	nmer 92 Ad.(IW	
Component	Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 79404793-7 (VB)	N/A	2-64-25	N/A	Replaced	No
		80102860-11					
	GRINNELL CORP.		N/A	2-64-25	1999	Replacement	No
HYDRAULIC SNUBBERS		(CYL) 74400328-140 (VB)	N/A	2-64-25	1999	Replacement	No

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A  Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: March 29, 1999
Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period 1-14-99 to 3-29-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Warrence Commissions: NB8226 ANT, MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date:

l. Owner: _	Baltim	ore Gas Electric (name)	Company		Date: A	oril 10, 1999	
G&E I	Building, P.O.	Box 1475, Baltin (address)	nore, MD,	21203	Unit: 1	wo	
Plant:	Calvert (	Cliffs Nuclear Por (name)	wer Plant		R&R No	98-2-205	
1650 Cal	vert Cliffs Par	rkway; Lusby, N	1D 20657-	-4702	MWO No	2199704494 (PO, job no.)	
Work Perf	formed by: Ba	altimore Gas Elec	ctric, NEI	D, CCNPPD	Authorization	Type Code Symbol S on No: N/A Exp	tamp: N/A Date: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, N	ID 20657-	4702	Section X	I Class: One	
. Identificat	ion of System:	System Number	: 64	System	Name: Reacto	or Coolant	
(b) Applica	ble Constructi	on Code and Clas Section XI Utiliza	s: <u>USAS</u> ed for Repa	System B31.7 1969 ED. talents/Replacements: and Replacement Cother Identification	hru 1971 ADI 1983 Edition, 1992 Ed., Sun	<u>).</u>	
(a) Applica (b) Applica (b) Applica (component	ible Construction of ion of Compor	on Code and Clas Section XI Utilization of I	s: <u>USAS</u> ed for Repa Replaced, a	B31.7 1969 ED. tairs/Replacements: and Replacement C	hru 1971 ADI 1983 Edition, 1992 Ed., Sun Components:	Summer 83 Acommer 92 Ad.(IV)  Repaired, Replaced, or	ASME Code Stamped
(b) Applica (b) Applica (c) Identification	ible Construction of ion of Compore Name of Manufacturer	on Code and Clas Section XI Utilizate nents Repaired or I Manufacturers Serial Number  (CYL) 79404793-59 (VB)	s: USAS ed for Repa Replaced, a National Board No.	B31.7 1969 ED. tairs/Replacements: and Replacement C Other Identification	thru 1971 ADI 1983 Edition, 1992 Ed., Sun Components:	Summer 83 Acommer 92 Ad.(IV)  Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

8. Tests Conducted: Hydrostatic: Pneumatic:

Nominal Operating Pressure:

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

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 10, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $3-28-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Dawrence Commissions: NB8226 ANT, MD647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date: april 30, 1999

As Required By the Provisions of the ASME Code Section XI

. Owner:	Baltimo	ore Gas Electric	Date: April 9, 1999						
G&E Building, P.O. Box 1475, Baltimore, MD, 21203 (address)						Unit: <u>Two</u>			
2. Plant:	Calvert C	liffs Nuclear Pow	R&R No: 98-2-206						
1656 Calv	ert Cliffs Par	kway; Lusby, M	D 20657-	4702	MWO No	2199704509 (PO, job no.)			
. Work Perfo	ormed by: Ba	ltimore Gas Elec	tric, NEI	D, CCNPPD		Type Code Symbol St on No: N/A Exp I			
1650 Calv	ert Cliffs Par	kway; Lusby, M	D 20657-	4702	Section X	II Class: One			
. Identificati	on of System:	System Number	64	System	Name: Reacto	or Coolant			
(a) Applical	ble Construction	on Code and Class	: USAS	B31.7 19 9 ED.	thru 1971 ADI	<u>).</u>			
(b) Applica	ble Edition of	Section XI Utilize	ed for Repa	airs/Replacements		Summer 83 Ad nmer 92 Ad.(IV			
Name of	Name of	Manufacturers Serial Number	Replaced, a	Other Identification	Components:  Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Component	Manufacturer	Serial Number	Board No.	Identification			washing and the same and the sa		
IYDRAULIC NUBBERS	GRINNELL CORP.	(CYL) 73355668-231 (VB) 9979B-1-SP	N/A	2-64-27	N/A	Replaced	No		
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 73355668-221 (VB) 9980B-1-SP	N/A	2-64-27	1999	Replacement	No		
7. Descriptio		VE MAINTENAN	NCE ON S	NUBBER: 2-64-2	7		American American		
8. Tests Con-	ducted: F	Hydrostatic:	Pr	neumatic:	Nominal	Operating Press	sure:		
	F	Pressure: N/A psi		Test Tempe	erature: N/A D	eg.			
information i	n Items 1 thro	ets in form of lists ugh 6 on this repo top of this form.	, sketches, ert is include	or drawings may ded on each sheet,	be used, provid and (3) each sl	ed: (1) size is 8- neet is numbered	1/2"x 11", (2) and the num		

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached Certificate of Compliance We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Certificate of Authorization No: Expiration Date: N/A Dan Hoang Senior Engineer Date: April 9, 1999 Owner or Owner's Designee, Title Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected components described in this Owner's Report during the period 1-14-99 to 4-6-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Inspector's Signature Commissions: NBBZZ6 ANI MA 647
National Board, State, and Endorsements

As Required By the Provisions of the ASME Code Section XI Baltimore Gas Electric Company 1. Owner: Date: April 10, 1999 (name) G&E Building, P.O. Box 1475, Baltimore, MD, 21203 Unit: Two (address) Calvert Cliffs Nuclear Power Plant R&R No: 98-2-207 (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 MWO No: 2199704490 (address) (PO, job no.) 3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD Type Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A 1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702. Section XI Class: One (address) 4. Identification of System: System Number: 64 System Name: Reactor Coolant 5. (a) Applicable Construction Code and Class: USAS B31.7 1969 ED. thru 1971 ADD. (b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL) 6. Identification of Components Repaired or Replaced, and Replacement Components: ASME Repaired, Code Name of Name of Manufacturers National Other Year Replaced, or Stamped Component Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No) HYDRAULIC GRINNELL (CYL) N/A 2-64-28A N/A Replaced No **SNUBBERS** CORP. 74402396-66 (VB) 10165B-1-SP HYDRAULIC GRINNELL (CYL) N/A 2-64-28A 1997 Replacement No **SNUBBERS** CORP. 74402396-176 (VB) 8549-1-SP 7. Description of Work: PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER: 2-64-28A Hydrostatic: 8. Tests Conducted: Pneumatic: Nominal Operating Pressure:

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

Test Temperature: N/A Deg.

Pressure: N/A psi.

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A  Expiration Date: N/A
Dan Hoang
Signed: Senior Engineer Date: April 10, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Gwner's Report during the period $1-14-99$ to $4-6-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert Daurence Commissions: NBEZZG ANT MD 647 Inspector's Signature National Board, State, and Endorsements
Date:

Owner: Baltimore Gas Electric Company (name)					Date: March 20, 1999			
G&E I	Building, P.O.	Box 1475, Baltin	more, MD	, 21203	Unit:	Two		
Plant:	Calvert C	Cliffs Nuclear Por	R&R No: <u>98-2-208</u>					
1650 Cal	vert Cliffs Par	kway; Lusby, N	1D 20657	-4702	MWO	No: 2199800599 (PO, job no.)		
Work Perf	formed by: Ba	ltimore Gas Ele	ctric, NE	D, CCNPPD	Authoriza	Type Code Symbol Stion No: N/A Exp	Stamp: N/A	
1650 Cal	vert Cliffs Par	kway; Lusby, N	1D 20657-	-4702		XI Class: One		
Identificat	ion of System:	System Number	: 64	System	Name: Read	tor Coolant		
(a) Applica	ible Constructi	on Code and Clas	s: USAS	B31.7 1969 ED.	thru 1971 AI	DD.		
(b) Applica	ible Edition of	Section XI Utiliz	ed for Repa	airs/Replacements:	1992 Ed., St	n, Summer 83 Ad ummer 92 Ad.(IV		
Identificat	ion of Compon	ents Repaired or	Replaced.	and Replacement (	Components			
Name of	Name of Manufacturer	ents Repaired or  Manufacturers Serial Number	Replaced, a	Other Identification	Components: Year Built	Repaired, Replaced, or Replacement	ASMI Code Stamped (Yes or No)	
Name of component	Name of	Manufacturers	National Board No.	Other	Year	Replaced, or	Code Stamped	
Name of Component  YDRAULIC NUBBERS  YDRAULIC	Name of Manufacturer  GRINNELL	Manufacturers Serial Number (CYL) 74462697-247 (VB)	National Board No.	Other Identification	Year Buin	Replaced, or Replacement  Replaced	Code Stamped (Yes or No)	
	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number (CYL) 74462697-247 (VB) 10489B-2-A (CYL) 73345359-21 (VB)	National Board No.	Other Identification	Year Buint N/A	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of Coroponent  YDRAULIC NUBBERS  YDRAULIC NUBBERS	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number (CYL) 74462697-247 (VB) 10489B-2-A (CYL) 73345359-21 (VB)	National Board No.	Other Identification	Year Buint N/A	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of Component  YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 74462697-247 (VB) 10489B-2-A  (CYL) 73345359-21 (VB) 9924B-2-A	National Board No.	Other Identification 2-64-30 2-64-30	Year Buint N/A	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of Component  YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 74462697-247 (VB) 10489B-2-A  (CYL) 73345359-21 (VB) 9924B-2-A	National Board No.	Other Identification	Year Buint N/A	Replaced, or Replacement	Code Stamped (Yes or No)	
Name of Component  YDRAULIC NUBBERS  YDRAULIC NUBBERS  Description	Name of Manufacturer  GRINNELL CORP.  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 74462697-247 (VB) 10489B-2-A  (CYL) 73345359-21 (VB) 9924B-2-A	National Board No.  N/A  N/A  N/A	Other Identification 2-64-30 2-64-30 NUBBER: 2-64-30	Year Built N/A	Replaced, or Replacement	Code Stamped (Yes or No)  No  No	

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Dan Hoang
Signed: Senior Engineer Date: March 20, 1999  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-14-99 to 3-19-99, and state to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert Sawrence Commissions: NBBZZGANZ MD647  Inspector's Signature Commissions: NBBZZGANZ MD647  National Board, State, and Endorsements
Date: april 28, 1999

nor the Estate of States o		As Required By t	the Provi	sions of the ASMI	E Code Section	on XI		
1. Owner:	Baltime	ore Gas Electric (name)		Date: March 20, 1999				
G&E B	Building, P.O.	Box 1475, Baltim	21203	Unit: <u>Two</u>				
2. Plant:	Calvert C	liffs Nuclear Pow	er Plant	*	R&R No:	98-2-209		
1650 Calv	ert Cliffs Par	kway; Lusby, M	D 20657-	-4702	MWO No	2199800600 (PO, job no.)		
3. Work Perfe	ormed by: Ba	ltimore Gas Elec	tric, NEI	D, CCNPPD	Authorizatio	Type Code Symbol Son No: N/A Exp I	tamp: N/A Date: N/A	
1650 Calv	vert Cliffs Par	kway; Lusby, M	D 20657-	4702		I Class: One		
. Identificati	ion of System:	System Number:	64	System 1	Name: Reacto	r Coolant		
(a) Applica	ble Construction	on Code and Class	: USAS	B31.7 1969 ED. t	hru 1971 ADD	).		
				airs/Replacements:	1983 Edition,	Summer 83 Ad	Market Strategy Streets	
						imer 92 Ad.(IV	(E/IWL)	
5. Identificati	on of Compon	ents Repaired or F	Replaced,	and Replacement C	components:			
Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
INTO ALITE	Lonnaria		Tarri				CONTRACTOR OF THE CONTRACTOR O	
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 75503198-94 (VB) 80511048-15	N/A	2-64-30A	N/A	Replaced	No	
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 7.5593196-92 (VB) B2556-A2- D71C	N/A	2-64-30A	1996	Replacement	No	
7. Description		/E MAINTENAN	CE ON SI	NUBBER: 2-46-30.	A			
8. Tests Cond		ydrostatic:		eumatic:   Test Tempera	Nominal (	Operating Press	are:	

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: March 20, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-14-99 to 3-30-99, and state to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Commissions: NB 7525 18NA MD 765 Inspector's Signature  Commissions: NB 7525 18NA MD 765  National Board, State, and Endorsements
Date: APRIL 14 1999

AND THE RESIDENCE OF THE PERSON OF THE PERSO		As Required By t	he Provi	sions of the ASME	Code Secti	on Xi		
1. Owner: _	Baltim	ore Gas Electric (		Date: mARCH 29, 1999				
G&E F	Building, P.O.	Box 1475, Baltim (address)	Unit: tWO					
2. Plant:	Calvert C	liffs Nuclear Pow		R&R No: <u>98-2-210</u>				
1650 Cab	vert Cliffs Par	kway; Lushy, M	D 20657-	-4702	MWO N	2199704518 (PO, job no.)		
3. Work Perf	formed by: Ba	ltimore Gas Elect	ric, NEI	D, CCNPPD	Authorizatio	Type Code Symbol S on No: N/A Exp	Stamp: N/A	
1650 Cal	vert Cliffs Par	kway; Lusby, M		-4702		I Class: oNE	Date. Man	
(b) Applica	able Edition of	Section XI Utilized	for Repa	B31.7 1969 ED. thairs/Replacements:	1983 Edition, 1992 Ed., Sun			
Name of Component	Name of Manufacturer		National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)	
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 74402397-203 (VB) 10446B-2-A	N/A	2-64-38	N/A	Replaced	No	
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 73326236-76 (VB) 9389-B-1-SP	N/A	2-64-38	1998	Replacement	No	
A SOUR ON THE RESIDENCE OF THE PARTY AND ADDRESS.	1							

## FORM N13-2, (Back)

9. Remarks:

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: March 29, 1999
Owner or Owner's Designee, Title
Certificate of Inservice Inspection
Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period /-/4-99 to 3-29-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or insplied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Commissions: NB 7525 18NA 75 765 Inspector's Signature National Board, State, and Endorsements
Date: APRIL 15 1999

CAMPANIAN CAMPANA	As Required By the Provisions of the AS	SME Code Section XI
1. Owner	Battimore Gas Electric Compai v	Date: Apri' 10, 1

2.	Owner. Baitin	(name)	Date. Apr. 10, 1999	
	G&E Building, P.O	Box 1475, Baltimore, MD, 21203 (address)	Unit: <u>Two</u>	
2.	Plant: Calvert	Cliff's Nuclear Power Plant	R&R No: 98-2-211	

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 MWO No: 2199704513 (eddress) (PO, job no.)

3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD

(name)

Type Code Symbol Stamp: N/A

Authorization No: N/A Exp Date: N/A

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702

Section XI Class: Two

1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702
(address)

4. Identification of System: System Number: 83 System Name: Main Steam

5. (a) Applicable Construction Code and Class: USAS B31.1 1967 ED. thru 1972 ADD.

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

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

Name of Component	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Buih	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 88101085-5 (VB) 8912442-3	N/A	2-83-34	N/A	Replaced	No
HYDR.JLIO SNUBBERS	CORP.	(CYL) 86340253-7 (VB) 2282-A2	N/A	2-83-34	1999	Replacement	No

me .	**			- 20-1		- 4	
7	Desci	not	ion	or	w	OTK	5.5
* *	was and do	. apra	* CAN	200	**	-	n x

PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER: 2-83-34

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

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

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A  Expiration Date: N/A
Signed: Senior Engineer Date: April 10, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $4-10-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert La Lawrence Commissions: NB 8226 ANI MD 647 Inspector's Signature National Board, State, and Endorsements
Date: April 30, 1999

As Required B	y the Provisions of	the ASME	Code Section XI
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	Saltimo	ore Gas Electric (	Company		Date: A	pril 28, 1999	
G&E E	Building P.O.	Box 1475, Baltime (address)	ore, MD,	21203	Unit: 1	<u>ſwo</u>	
2. Plant:	Calvert C	liffs Nuclear Powe	er Plant		R&R No	98-2-212	
1650 Calv	vert Cliffs Par	kway; Lusby, Mi (address)	D 20657-	-4702	MWO N	0: <u>21997(4519</u> (PO rel uo.)	
8. Work Perf	ormed by: Ba	ltimore Gas Elect	Authorizati	Type Code Symbol S on No: N/A Exp	Stamp: N/A Date: N/A		
1650 Calv	vert Cliffs Par	kway; Lusby, Ml	D 20657-	-4702	Section 2	KI Class: One	
. Identificat	ion of System:	System Number:	64	System	Name: React	or Coolant	
(a) Applica	ble Construction	on Code and Class:	USAS	B31.7 1969 EDI	). thru 1971 A	DD.	
(b) Applica	ble Edition of	Section XI Utilized	d for Repa	airs/Replacements			
***						nmer 92 Ad.(IV	VE/IWL)
Name of Component	Name of Manufacturer	With the contract of the state	National Board No.	Other	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped
		ocual sames	Doard No.	Identification			
CHICAGO DISTORTING CONTRACTOR CON	THE THE PROPERTY WAS A PRICE OF THE PROPERTY OF THE	DOTAL STREET STATE STATES TO SELECT STATES AND SECURITION OF SECURITION	CONTRACTOR OF STREET	THE RESERVE OF THE PERSON NAMED IN COLUMN 1	2,5011		(Yes or No)
HYDRAULIC	GRINNELL CORP.	(CYL) 87392610 (VB) KY024D58-A4	N/A	2-64-43	N/A	Replaced	No No
HYDRAULIC SNUBBERS HYDRAULIC	GRINNELL	87392610 (VB)	N/A	2-64-43			
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS	GRINNELL CORP.	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB)			N/A	Replaced	No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS	GRINNELL CORP. GRINNELL CORP.	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB)			N/A	Replaced	No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS	GRINNELL CORP. GRINNELL CORP.	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB)			N/A	Replaced	No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS	GRINNELL CORP.  GRINNELL CORP.	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB)	N/A	2-64-43	N/A 1999	Replaced	No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS  7. Descriptio	GRINNELL CORP.  GRINNELL CORP.  n of Work:	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB) 77244537-112	N/A	2-64-43 NUBBER: 2-64-4	1999 3	Replaced	No No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS  7. Descriptio	GRINNELL CORP.  GRINNELL CORP.  n of Work:	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB) 77244537-112	N/A	2-64-43	1999 3	Replaced	No No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS  7. Descriptio	GRINNELL CORP.  GRINNELL CORP.  n of Work: D PREVENTIVE ducted:	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB) 77244537-112	N/A  CE ON SI	2-64-43  NUBBER: 2-64-4  eumatic: []	1999 3	Replaced Replacement Operating Press	No No
HYDRAULIC SNUBBERS HYDRAULIC SNUBBERS  7. Description PERFORMEI  8. Tests Const	GRINNELL CORP.  GRINNELL CORP.  n of Work: D PREVENTIV	87392610 (VB) KY024D58-A4 (CYL) 78309511-1 (VB) 77244537-112 VE MAINTENANG	N/A CE ON SI	NUBBER: 2-64-4 eumatic:  Test Tempe	N/A 1999  Nominal trature: N/A D	Replaced Replacement Operating Press	No No

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A  Dan Hoang  Senior Engineer Date: April 28, 1999  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period
Robert Dawrence Commissions: NB8226 ANI MD 647 Inspector's Signature National Board, State, and Endorsements
Date: May 11, 1999

. Owner:	Baltime	ore Gas Electric	Company		Date: A	pril 10, 1999	
G&E B	uilding, P.O.	Box 1475, Baltin (address)	nore, MD,	21203	Unit:	Two	
. Plant:	Calvert C	liffs Nuclear Pov	wer Plant		R&R N	0: 98-2-213	
1650 Calv	ert Cliffs Par	kway; Lushy, N	1D 20657-	4702	MWO!	No: 2199704517 (PO, job no.)	
. Work Perf	ormed by: Ba	ltimore Gas Elec	ctric, NEI	D, CCNPPD	Authoriza	Type Code Symbol S tion No: N/A Exp 1	
1650 Cal	ert Cliffs Par	kway; Lusby, N	1D 20657-	4702	Section	XI Class: Two	
. Identificati	ion of System:	System Number	: 83	System	Name: Mair	Steam	
. (a) Applica	ble Construction	on Code and Clas	s: USAS	B31.1 1967 ED. t	hru 1972 AI	D.	
(h) Amplion	his Edition of	Canting VI I Itilia	ad for Dans	nine Manlanamania	1002 Edition	. C 02 A	Adam da
. Identificati	ion of Compon	ents Repaired or	Replaced,	and Replacement C	1992 Ed., Se Components:	n, Summer 83 Ac immer 92 Ad.(TV Repaired, Replaced, or	ASME Code Stamped
6. Identificati	ion of Compon	ents Repaired or	Replaced,	and Replacement C	1992 Ed., Se Components:	Repaired,	ASME Code
Name of Component	ion of Compon	ents Repaired or	Replaced,	and Replacement C	1992 Ed., Se Components:	Repaired, Replaced, or Replacement	ASME Code Stamped
Name of Component HYDRAULIC NUBBERS HYDRAULIC	Name of Manufacturer	Manufacturers Serial Number  (CYL) 88101085-10 (VB)	Replaced, a	Other Identification	1992 Ed., Se Components: Year Built	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  HYDRAULIC NUBBERS	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 88101085-10 (VB) 8912442-29 (CYL) 81134402-10 (VB) 54670-012-	National Board No.	Other Identification	1992 Ed., Se Components: Year Built	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
Name of Component  HYDRAULIC SNUBBERS  HYDRAULIC	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 88101085-10 (VB) 8912442-29 (CYL) 81134402-10 (VB) 54670-012-	National Board No.	Other Identification	1992 Ed., Se Components: Year Built	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)
6. Identificati	Name of Manufacturer  GRINNELL CORP.	Manufacturers Serial Number  (CYL) 88101085-10 (VB) 8912442-29 (CYL) 81134402-10 (VB) 54670-012-	National Board No.	Other Identification	1992 Ed., Se Components: Year Built	Repaired, Replaced, or Replacement Replaced	ASME Code Stamped (Yes or No)

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

Test Temperature: N/A Deg.

Pressure: N/A psi.

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Dan Hoang
Signed: Senior Engineer Date: April 10, 1999 Owner or Owner's Designee, Title
Certificate of Inservice inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $4-9-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert W. Laurence Commissions: NB8226 ANT M8647  Inspector's Signature National Board, State, and Endorsements
Date: _ april 30, 1999

1. Owner: _	Baltimo	ore Gas Electric (	Company		Date: Ap	ril 16, 1999	
G&E E	Building, P.O.	Box 1475, Baltim (address)	ore, MD,	21203	Unit: T	wo	
2. Plant:	Calvert Cl	(name)	er Plant		R&R No:	98-2-214	
1650 Cal	vert Cliffs Parl	kway; Lusby, M	D 20657-	4702	MWO No	(PO, job no.)	
. Work Perf	formed by: Bal	timore Gas Elect	tric, NEI	D, CCNPPD	T Authorization	ype Code Symbol Star n No: N/A Exp Da	mp: N/A te: N/A
1650 Cal	vert Cliffs Parl	kway; Lusby, M	D 20657-	4702	Section X	I Class: Two	
Identificat	ion of System:	System Number:	83	System 1	Name: Main S	team	
Identificati	ion of Compone	ents Repaired or R	teplaced, a	and Replacement C	components:		
Name of	Name of Manufacturer	Manufacturers	Replaced, a	and Replacement C Other Identification	Year		ASME Code Stamped (Yes or No)
Name of Component	Name of	Manufacturers	National	Other	Year	Replaced, or	Code Stamped
	Name of Manufacturer  GRINNELL	Manufacturers Serial Number  (CYL) 86350052-14 (V)	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (Yes or No)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A  Dan Hoang Senior Engineer Date: April 16, 1999  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $4-12-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobert Warenee Commissions: NB8226ANZ MD 647 Inspector's Signature Commissions: National Board, State, and Endorsements
Date:

G&E I	Baltim	ore Gas Electric (name)	<u> </u>	Date: April 14, 1999				
and the same of th	Building, P.O.	Box 1475, Baltin	nore, MD	, 21 203	Unit: <u>Two</u>			
Plant:	Calvert C	Cliffs Nuclear Pow	R&R No	98-2-215				
1650 Cal	vert Cliffs Par	rkway; Lusby, M	ID 20657	-4702	MWO N	o: 2199800602 (PO, job no.)		
Work Perf	formed by: Br	altimore Gas Elec	ctric, NE	D, CCNPPD	Authorizati	Type Code Symiol Son No: N/A Exp	Stamp: N/A	
1650 Cal	vert Cliffs Par	kway; Lusby, M	D 20657	-4702		XI Class: Two	1370	
Identificat	ion of System:	System Number	83	System N	Name: Main	Steam		
(a) Applica	ible Constructi	on Code and Class	s: USAS	B31.7 1969 ED. th	ru 1971 AD	D.		
				airs/Replacements:			ddanda	
		- The Carrier	a for reep			mmer 92 Ad.(IV		
Identificati	ion of Compor	ents Renaized or I	Replaced	and Replacement C		The same of the sa	1202112)	
		omo repaired of I	серіасси,	and replacement C	omponents.		ASME	
Name of	Name of	Manufacturers	National	Other	Year	Repaired,	Code	
omponent	Manufacturer		Board No.	Identification	Built	Replacement	Stamped (Yes or No)	
YDRAULIC	GRINNELL	Loans	T 22/4	T			MATERIA DE LA PROPERCIONA CAMBRA PAÍS ALS	
NUBBERS	CORP.	(CYL) 78318146-7	N/A	2-83-2A	N/A	Replaced	No	
		(VB)						
		79371872-263						
LEFT TO A P. TV. T. CO.	GRINNELL	(CYL)	N/A	2-83-2A	1998	Replacement	No	
	CORP.	79437626-7				- Finding M	110	
		(VB)						
		70308754.176						
		79398754-176						
		79398754-176				-		
YDRAULIC NUBBERS		79398754-176						
		79398754-176						
NUBBERS		79398754-176						
Description								
Description			CE ON SN	NUBBER: 2-83-2A				
Description			CE ON SM	NUBBER: 2-83-2A				
Description	PREVENTIV			NUBBER: 2-83-2A	Nominal	Operating Press	ure:	

#### 9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Dan Hoang Senior Engineer Date: April 14, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Report during the period $1-14-99$ to $4-13-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert W Lawrence Commissions: NBBZZ6AWI MD647  Inspector's Signature Commissions: NBBZZ6AWI MD647  National Board, State, and Endorsements
Date: April 29, 1999

As Required By the Provisions of the ASME Code Section XI Baltimore Gas Electric Company Date: April 12, 1999 (name) G&E Building, P.O. Box 1475, Baltimore, MD, 21203 Unit: Two (address) 2. Plant: Calvert Cliffs Nuclear Power Plant R&R No: 98-2-216 (name) 1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 MWO No: 2199800603 (PO, job no.) 3. Work Performed by: Baltimore Gas Electric, NED, CCNPPD Type Code Symbol Stamp: N/A Authorization No: N/A Exp Date: N/A 1650 Calvert Cliffs Parkway; Lusby, MD 20657-4702 Section XI Class: Two (address) 4. Identification of System: System Number: 83 System Name: Main Steam 5. (a) Applicable Construction Code and Class: USAS B31.7 1969 ED. thru 1971 ADD. (b) Applicable Edition of Section XI Utilized for Repairs/Replacements: 1983 Edition, Summer 83 Addenda 1992 Ed., Summer 92 Ad.(IWE/IWL) 6. Identification of Components Repaired or Replaced, and Replacement Components: ASME Repaired, Code Name of Name of Manufacturers National Other Year Replaced, or Stamped Component Manufacturer Serial Number Board No. Identification Built Replacement (Yes or No) HYDRAULIC GRINNELL (CYL) N/A 2-83-3 N/A Replaced No **SNUBBERS** CORP. 78318146-9 (VB) V5128-2 HYDRAULIC GRINNELL (CYL) N/A 2-83-3 1994 Replacement No **SNUBBERS** CORP. 81134402-1 (VB) 79398754-333 7. Description of Work: PERFORMED PREVENTIVE MAINTENANCE ON SNUBBER: 2-83-3 8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Operating Pressure:

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

Test Temperature: N/A Deg.

Pressure: N/A psi.

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A Expiration Date: N/A
Dan Hoang
Signed: Se ior Engineer Date: April 12, 1999  Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the
components described in this Owner's Fleport during the period $1-14-99$ to $4-7-99$ , and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Robert W. Lawrence Commissions: NB8226 ANI MD 647  Inspector's Signature National Board, State, and Endorsements
Date: April 28, 1999

		As Required By t	he Provi	sions of the ASM	E Code Sect	ion XI		
1. Owner: _	Baltin	nore Gas Electric (	Company	<u> </u>	Date: A	pril 16, 1999		
G&E 1	Building, P.O.	Box 1475, Baltim	ore, MD	, 21203	Unit: Two			
. Plant:	Calvert (	Cliffs Nuclear Pow	er Plant		R&R No	98-2-217		
1650 Cal	vert Cliffs Pa	rkway; Lusby, M	D 20657	-4702	MWO N	0: 2199800606 (PO, job no.)		
. Work Perf	formed by: B	altimore Gas Elect	ric, NE	D, CCNPPD	Authorizati	Type Code Symbol S	Stamp: N/A	
1650 Cal	vert Cliffs Par	rkway; Lusby, M	D 20657	-4702		Class: Two		
. Identificat	ion of System:	System Number:	83	System	Name: Main	Steam		
(a) Applica	ble Constructi	on Code and Class:	USAS	B31.7 1969 ED. t	hru 1971 ADI	D.		
				airs/Replacements:			ldand.	
/->		Devitori zu Cuntze	a roi reop			nmer 92 Ad.(IV		
Identificat	ion of Compor	ents Renaired or P	enlaced	and Replacement C		and the same of th		
. Identificat	ion of Compor	ients Repaired of R	epiaced,	and Replacement C	omponents:		ASME	
Name of	Name of	Manufacture :	National .	0.1		Repaired,	Code	
Component	Manufacturer		National Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or No)	
		THE PART OF THE PARTY OF THE PA	MANUFACCO MINAGO	THE RESIDENCE OF THE PARTY OF T	AND THE STREET OF THE STREET,	THE RESERVE AND ADDRESS OF THE PARTY AND ADDRE	THE REAL PROPERTY AND PERSONS ASSESSMENT	
TYDRAULIC	GRINNELL	(CYL)	N/A	2-83-4	N/A	Replaced	No	
NUBBERS	CORP.	C-90-11-01 (V) V-90-11-						
		01-15						
YDRAULIC	GRINNELL	Om 4117149	A COLUMN TO SERVICE STATE OF THE PARTY OF TH	2.94.4	1000	-		
NUBBERS	CORP.	(CYL) 86340253-1 (VB) 86342149-44	N/A	2-84-4	1999	Replacement	No	
. Description	of Work:							
ERFORMED	PREVENTIV	VE MAINTENANC	E ON SI	NUBBER: 2-83-4				
Tests Cond	lucted: H	ydrostatic:	Pne	eumatic:	Nominal	Operating Pressi	ire:	
							hand	
	P	ressure: N/A psi.		Test Tempera	ature: N/A De	eg.		

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached							
Certificate of Compliance							
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp: N/A  Certificate of Authorization No: N/A  Expiration Date: N/A							
Signed: Dan Hoang Senior Engineer Date: April 16, 1999 Owner or Owner's Designee, Title							
Certificate of Inservice Inspection							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period							
Robert Warrence Commissions: NB8226 ANT MO647 Inspector's Signature National Board, State, and Endorsements							
Date:							

ACCOUNT AND AND ADDRESS OF THE PERSONS ASSESSMENT OF THE PERSONS ASSES		As Required By	the Provi	isions of the ASM	E Code Sect	ion XI	
1. Owner:	Baltim	ore Gas Electric	Company	<u> </u>	Date: M	arch 19,1999	
G&E	Building, P.O.	Box 1475, Baltin (address)	more, MD	, 21203	Unit: 1	<u>'wo</u>	
2. Plant:	Calvert C	Cliffs Nuclear Po	wer Plant		R&R No	98-2-218	
1650 Cal	vert Cliffs Par	kway; Lusby, N	AD 20657	-4702	MWO N	2199800604 (PO, job no.)	
3. Work Peri	formed by: Ba	ltimore Gas Ele	ctric, NEI	D, CCNPPD	Authorizati	Type Code Symbol Si on No: N/A Exp I	tamp: N/A
1650 Cal	vert Cliffs Par	kway; Lusby, N	1D 20657	-4702		I Class: Two	100
5. (a) Applica	able Construction		ss: USAS	B31.1 1967 ED. t	1983 Edition,	<u>).</u>	denda
6. Identificat  Name of  Component	ion of Compon  Name of  Manufacturer	ents Repaired or  Manufacturers Serial Number	Replaced, a National Board No.	Other Identification		Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 75503196 (VB) 80511048-1	N/A	2-83-15	N/A	Replaced	No
		000110101					
HYDRAULIC SNUBBERS	GRINNELL CORP.	(CYL) 91219611-35 (VB) 16345-91	N/A	2-83-15	1995	Replacement	No
		(CYL) 91219611-35 (VB)	N/A	2-83-15	1995	Replacement	No

n.	**		
9.	Ren	arks	ď

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

Applicable Manufacturer's Data Reports to be Attached
Certificate of Compliance
We certify that the statements made in this report are correct and that this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A
Signed: Dan Hoang Senior Engineer Date: March 19, 1999 Owner or Owner's Designee, Title
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 1-14-99 to 3-19-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Commissions: NB 7525 1BNA MD 765 Inspector's Signature  National Board, State, and Endorsements
Date: APRIL 15 1999

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

1. Owner:		Gas Electric Co			Date: 06/0	8/199	9	
2. Plant:	ing, P.O. Box 14  Calvert C	(address) Hiffs Nuclear P			Unit: Tw	0		
3. Work Perf	ormed by: Baltin	(address) more Gas Elect (name)	ric, NED	T ,	Type Code Sy Authorization Exp Date: Notes and Section XI Cl	mbol S No.: ]	c.O. no., job no., etc.	o. 219980243
5. (a) Applica  (b) Applica	on of System: System Sy	de and Class:  A Repairs/Replaceme	SME Draft dd; Class	Code for Pum Two Ed summer 83	Ad; 92 Ed	es, 19		
Valve	Manufacturer  Velan Engineering  Co.	Serial Number 0358	Board No.	No. 21 Containment Header Containment Valve	Spray	Built 1977	Replacement	(Yes or No)
7. Description Perform ma 8. Tests Cond	achining as neces	tatic:	Pneumatic	∷ □ Non	# ES19990 ninal Operati N/A Deg	ng Pres		-

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. Performed a Construction Code surface examination of all machined surfaces prior to installation of the disc.

We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  Repair conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
Signed: A.R. Zimmerman Welding Engineer Date: 06/08/1999
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 4-3-99 to 5-6-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.  **Report Inspector Signature**  Commissions: **MBEZZEAWI** MD647* National Board, State, and Endorsements*
Date: 7, 1999

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

1. Owner: Baltimore Gas Electric Company	Date: 05/2	25/199	9		
(name)					
G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203	Sheet 1 of 2				
(address)					
2. Plant: Calvert Cliffs Nuclear Power Plant	Unit: Tv	vo			
(name)					
1650 Calvert Cliffs Parkway; Lusby, Maryland., 20657-470	2 R&R No. 9	8-2-25	3b, MWO N	o. 219980243	
(address)		Contract and the party of the Contract of the	O. no., job no., etc		
3. Work Performed by: Baltimore Gas Electric, NED	Type Code S				
(name)	Authorization				
	Exp Date: N	I/A			
CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 2065	57 Section XI C	Section XI Class: Two			
(address)					
(b) Applicable Sect XI Ed. for Repairs/Replacement 83 Ed summ	mer 83 Ad- 92 F	d a			
Name of Name of Manufacturers National		Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. It Valve Velan Engineering vlv: 0379, disc: 6310 N/A No. 22 Com	mponents:	Year	Repaired, Replaced, or	ASME Code Stamped	
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Identification Valve Velan Engineering vlv: 0379, disc: 6310 N/A No. 22 Con Header Con Valve	Other dentification stainment Spray ntainment Side Check	Year Built 1977	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Name of Name of Manufacturers National Componet Manufacturer Serial Number Board No. Identification Valve Velan Engineering vlv: 0379, disc: 6310 N/A No. 22 Con Header Con Valve	Other dentification stainment Spray ntainment Side Check	Year Built 1977	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Valve Velan Engineering vlv: 0379, disc: 6310 N/A No. 22 Con Header Con Valve  7. Description of Work:  Perform machining as necessary on 2CKVSI-340 valve disc per 8. Tests Conducted: Hydrostatic:	Other dentification stainment Spray intainment Side Check	Year Built 1977	Repaired, Replaced, or Replacement  Repaired	ASME Code Stamped (Yes or No)	
Name of Name of Manufacturers National Board No. Identification of Work:  Name of Manufacturer Serial Number Board No. Identification of Work:  Perform machining as necessary on 2CKVSI-340 valve disc performs.	Other dentification stainment Spray intainment Side Check	Year Built 1977	Repaired, Replaced, or Replacement  Repaired	ASME Code Stamped (Yes or No)	

#### 9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity. A Construction Code surface examination of all valve disc machined surfaces was performed prior to installation of the disc.

We certify that the statements made in this report are of the ASME Code, Section XI.	Compliance orrect and that this	Repair conform	as to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date:	N/A		
Signed: Alla R. Jenova Owner's Designee, Title	A.R. Zimmerr Welding Engir	Data	05/25/1999
Certificate of Inse		per Committee of the size and committee trapped and annual residence of the committee of th	and and the summer of a state up a delication of delication of the state up a
I, the undersigned, holding a valid commission issued by the and the State of Maryland and employed by Factory Mutual Ins	surance Co. of Norwood,	MA. have inspecte	ed the
components described in this Owner's Report during the period best of my knowledge and belief, the Owner has performed exa	4-3-99 to minations and taken corre	5-6-99 ective measures de	, and state to the
Owner's Report in accordance with the requirements of the ASI  By signing this certificate neither the Inspector nor his e	ME Code, Section XI.		
the examinations and corrective measures described in this Own employer shall be liable in any manner for any personal injury of	ner's Report. Furthermore	e, neither the Inspe	ector nor his
connected with this inspection.			
Lobert Warence Commission	ons: <u>NB8ZZG ANZ</u> National Boa	L 410647 ard, State, and Endorser	ments
Date: June 14, 1999			•

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

1. Owner:	Baltimore	Gas Electric C	ompany		Date: 07/	12/199	9	
G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203					Sheet 1 of 2			
2. Plant:	Calvert (	Cliffs Nuclear P	ower Plan	nt	Unit: T	wo		
1650 Calve	ert Cliffs Parkwa	ay; Lusby, Mai	ryland., 2	20657-4702	R&R No. 9		54a, MWO N	o. 219970092
3. Work Perfe	ormed by: Baltin	more Gas Elec	tric, NED		Type Code S Authorization	ymbol s n No.:	Stamp: N/A	c.)
CCNPP De	pt, 1650 Calver	t Cliffs Parkwa	y, Lusby,		Exp Date: No Section XI C	to his order	One	
4. Identificati	on of System: Sys	stem Number 06	System	m Name: Reac	ctor Coola	nt Sys	tem	
	ble Construction Co	O	ne	V Code Sect. I				
6. Identification  Name of Componet	on of Components I  Name of  Manufacturer	Repaired or Replace  Manufacturers  Serial Number	ed and Repla  National  Board No.	Othe	er	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	1C863	NB 1249	# 21B Reactor Cool Mechanical Seal	lant Pump	1988	Replaced	Yes
Seal	Information for rebuild will be field supplied.	Rebuilt 1C865	N/A	Seal, Cartridge Ass 875B-3V Complete Bingham per FCR	Sulzer		Replacement	Yes
7. Description	of Work:							
Replace me was rebuilt u	chanical seal on under MO # 0199	#21B Reactor ( 9701836. No pr	Coolant Puressure reta	ump, as necess aining parts we	ary. The re	eplace	ment seal ID	#(1C865)
8. Tests Condu	ucted: Hydrost Pressure		Pneumatic Tes	1101	ninal Operation		ure: 🖾	

#### 9. Remarks:

Date: July 12, 1999

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

	Applicable Manufacturer's Data Reports to be Attached
	We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  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: A.R. Zimmerman Welding Engineer Date: 07/12/1999
_	Certificate of Inservice Inspection
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period

Robert Wo awrence Commissions: NBBZZ6 ANI, MD647
Inspector's Signature
National Board, State, and Endorsements

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

1. Owner:	Baltimore	Gas Electric C	ompany		Date: 07/1	14/199	9	
G&E Build	ing, P.O. Box 1	(name) 475, Baltimore	, Maryland	1, 21203	Sheet 1 of 2			
Maria de Maria de Las		(address)			Grade For E			
2. Plant:	Calvert (	Cliffs Nuclear P	ower Plan	t	Unit: Tv	vo		
		(name)						
1650 Calve	ert Cliffs Parkwa	ay; Lusby, Mar	yland., 2	0657-4702	R&R No. 9	8-2-25	5a, MWO No	21997009
		(address)				THE PERSON NAMED AND ADDRESS.	O. no., job no., etc	
3. Work Perf	ormed by Balti	more Gas Elect	ric, NED		Type Code S	ymbol S	tamp: N/A	
J. WOIKTON	ornied by.	(name)			Authorization		N/A	
CCNPP De	pt, 1650 Calver	t Cliffe Parkwa	v Lueby	MD 20657	Exp Date: N	THE SAMESHOON.		
OOM F DO	pt, 1000 Gaiver	(address)	y, Lusby,	WID 20037	Section XI C	lass:	One	
4. Identificat	ion of System: Sy	stem Number 06	4 System	n Name: Re	actor Coolar	nt Svs	tem	
	ion of Components  Name of Manufacturer			0		Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	1C875	NB 1242	# 22B Reactor C Mechanical Seal		1988	Replaced	Yes
Seal	Rebuild info field supplied	Rebuilt 1C874	N/A	Seal, Cartridge 875B-3V Compl Bingham per FC	ete Sulzer		Replacement	Yes
7. Description	n of Work:							
Replace me	n of Work: echanical seal or under MO # 119	#22B Reactor 9700068. No p	Coolant Puressure ret	ump, as nece aining parts v	ssary. The reverse replaced	eplace d durin	ment seal ID g the rebuild	#(1C874) of this
Replace me was rebuilt	echanical seal or under MO # 119	#22B Reactor 9700068. No p	Coolant Puressure ret	aining parts v	were replace	d durin	g the rebuild	#(1C874) of this
Replace me was rebuilt cartridge.	echanical seal or under MO # 119 ducted: Hydros	9700068. No p	Pneumatic	aining parts v	were replace	ng Press	g the rebuild	#(1C874) of this

#### 9. Remarks:

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

TI	ici s Data p	reports to be Attached	
We certify that the statements made in this report the ASME Code, Section XI.	te of Compare correct a	pliance nd that this Replaceme	ent conforms to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Da	ate: N/A		
Signed: Alla R. Jones Owner of Owner's Designee, Ti	itle	A.R. Zimmerman Welding Engineer	Date; <u>07/14/1999</u>
I, the undersigned, holding a valid commission issued to and the State of Maryland and employed by Factory Mutual components described in this Owner's Report during the place of my knowledge and belief, the Owner has performed Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor the examinations and corrective measures described in this employer shall be liable in any manner for any personal injurconnected with this inspection.  Commission issued to any dispersion is sued to any described in the parameter of the owner's Report during the property is signature.	eriod _3 ~/ d examinatio e ASME Cod his employe owner's Re jury or prope	co. of Norwood, MA. has to S-99 to S-5- ns and taken corrective in the Section XI. It makes any warrant, expriport. Furthermore, neither try damage of a loss of an expression of the section of the sect	neasures described in this pressed or implied, concerning or the Inspector nor his ny kind arising from or
Date: () 4/4/4/1009			The state of the s

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

1. Owner:	'Balti	more Gas	Electric C	ompany		Date: 07/	13/199	99	
			ime)			Date.			
G&E Build	ding, P.O.	Box 1475,	Baltimore	, Marylan	d, 21203	Sheet 1 of 2			
			dress)						
2. Plant:	Cal	vert Cliffs	Nuclear P	ower Plan	it	Unit: Tv	NO		
		(na	me)			Oint.			
1650 Calve	ert Cliffs P	arkway; I	Lusby, Mar	rvland 2	0657-4702	R&R No. 9	18-2-21	SED MWO N	lo. 21997009
			dress)	, , ,	4102	11011110. 5			
2 Work Deal	C11	Raltimore	Gas Elec	trio NED		Type Code S		P.O. no., job no., et	ic.)
3. Work Peri	formed by:	(nai	The second secon	ITIC, NED		Authorization			
						Exp Date: N		IVA	
CCNPP De	ept, 1650 C	alvert Clif	fs Parkwa	y, Lusby,	MD 20657	Section XI C	THE RESERVE OF THE PERSON OF T	One	
			dress)				-	One	
A Idantifiant	ion of Systen	n: System i	Number 06	4 Syster	n Name: Rea	ctor Coolar	nt Svs	tem	
5. (a) Applica	ble Construc	tion Code and	d Class: A	SME B&P	V Code Sect.	III, 1965 Ed	ition,	Winter 1967	Add: Class
5. (a) Applica  (b) Applica  6. Identificati	ble Sect XI E	d. for Repair	rs/Replacement	nt 83	Code Sect.  Ed summer 8  Cement Compone	33 Ad; 92 Ed			
5. (a) Applica  (b) Applica	ble Sect XI E	d. for Repair onents Repair	s/Replacemen	nt 83	Ed summer 8	33 Ad; 92 Edents:		mer 92 Ad f	or IWE/IWL
<ul><li>5. (a) Applica</li><li>(b) Applica</li><li>6. Identificati</li><li>Name of</li></ul>	ble Sect XI E	d. for Repair onents Repair of Mai urer Ser	rs/Replacemented or Replace	nt 83 ed and Repla	Ed summer 8 cement Compone	ents:	d sum	mer 92 Ad for Repaired, Replaced, or	ASME Code Stamped
5. (a) Applica (b) Applica 6. Identificati Name of Componet	Name of Manufact  Byron Jack	d. for Repair onents Repair of Mai urer Ser son 6	rs/Replacement red or Replace nufacturers ial Number	nt 83 ed and Repla National Board No.	Ed summer 8 cement Compone Ott Identif	ents: her ication plant Pump Heat Exchanger	Year Built	mer 92 Ad for Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5. (a) Applica (b) Applica 6. Identificati Name of Componet  Pump Cover	Name of Manufact  Byron Jack Pump Rebuild info	d. for Repair onents Repair of Mai urer Ser son 6	rs/Replacement red or Replace nufacturers ial Number	nt 83 ed and Replace National Board No.	Oth Identifi  #22B Reactor Coo Pump Cover and Assembly, Bryon	ents: her ication plant Pump Heat Exchanger	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5. (a) Applica (b) Applica 6. Identificati Name of Componet Pump Cover 7. Description	Name of Manufact  Byron Jack Pump Rebuild info supplies	d. for Repair onents Repair of Mai urer Ser son 6	rs/Replacement red or Replace nufacturers ial Number 81-N-0444 In 681-N-0437	National Board No.  N/A  N/A	Oth Identifi  #22B Reactor Coo Pump Cover and Assembly, Bryon	ents: her fication plant Pump Heat Exchanger Jackson Part	Year Built 1977 1998	Repaired, Replaced, or Replacement Replaced Replacement	ASME Code Stamped (Yes or No) Yes
5. (a) Applica (b) Applica 6. Identificati Name of Componet Pump Cover 7. Description	Name of Manufact  Byron Jack Pump Rebuild info supplied  of Work: lan was to embly and	d. for Repair onents Repair of Mai urer Ser son 6	rs/Replacement red or Replace nufacturers ial Number 81-N-0444 In 681-N-0437	National Board No.  N/A  N/A	Oth Identife  #22B Reactor Coo Pump Cover and Assembly, Bryon No. 1E-3567V V  B Reactor Coo nto 22B pump	ents: her fication plant Pump Heat Exchanger Jackson Part	Year Built 1977 1998	Repaired, Replaced, or Replacement Replaced Replacement	ASME Code Stamped (Yes or No) Yes

#### 9. Remarks:

A Section XI System Hydrostatic 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 the ASME Code, Section XI.
	Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A
	Signed: A.R. Zimmerman Welding Engineer Date: 07/13/1999  Owner of Welding Engineer Date: 07/13/1999
	Certificate of Inservice Inspection  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
8	nd the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the
b C th	components described in this Owner's Report during the period 11-10-98 to 5-5-99, and state to the lest 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 L. Surrence Commissions: NB 8226 ANI, ND 647 Inspector's Signature National Board, State, and Endorsements
1	Date: July 14, 1999

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

1. Owner:	Baltimore	Gas Electric Co	mpany	Date: 07/	09/199	9	
G&E Build	ling, P.O. Box 1	475, Baltimore,	Maryland	1, 21203 Sheet 1 of 2			
2. Plant:	Calvert	(address) Cliffs Nuclear Po	ower Plan	t Unit: To	vo		
1650 Calve	ert Cliffs Parkw	ray; Lusby, Mary	yland., 2	0657-4702 R&R No. 9	A trape to take the concess with	<b>'5a, MWO N</b>	o. 2199801841
3. Work Perf	formed by: Balt	(name)	ric, NED	Type Code S Authorizatio Exp Date: 1	ymbol S n No.:	Stamp: N/A	
5. (a) Applica (b) Applica	ble Construction C	ode and Class: AS  Repairs/Replacement  Repaired or Replace  Manufacturers	6ME B31.1	Name: Safety Injection  1.0 1967 Edition, CCase  Ed summer 83 Ad; 92 Edition  Cement Components:	N-10	mer 92 Ad for Repaired, Replaced, or	ASME Code Stamped
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacement	(Yes or No)
Valve	Velan Enginnering Co.  Mannesmann Demag Huttentechnik	2CKVSI-434 53523-GX 7762620-3	N/A N/A	#22 LPS1 Pump Discharge Check Valve Valve, Nozzle Check, 10" 300 lb, Flanged ends, S.S. Body	1977 1991	Replaced Replacement	No No
SI-434) on	Plan is to allow r	C-1-2003. This	2 Low Pre work was <sub>l</sub>	ssure Safety Injection Pu performed by Framatome	mp Dis Techn	charge Chec ologies unde	ck Valve (2- er their
8. Tests Cond	ducted: Hydro Pressu	static:  re: 200 psi.	Pneumatic Tes		ing Press	sure: 🖾	

#### 9. Remarks:

A Section XI System Functional 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 the ASME Code, Section XI.  Replacement of Informs 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: A.R. Zimmerman Welding Engineer Date: 07/09/1999
Certificate of Inservice Inspection
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the
components described in this Owner's Report during the period 3-11-99 to 4-5-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.
Pobut Dawrence Commissions: NB8226 AVI, m3647  Date: July 9, 1999  Date: July 9, 1999

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

1. Owner: Baltimore Gas Electric Company  (name)  G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203  (address)  2. Plant: Calvert Cliffs Nuclear Power Plant  (name)					Date: 07/09/1999 Sheet 1 of 2				
					1650 Calvor	t Cliffe Darkwe	y; Lusby, Mar	vland 20	0657-4702 R&R No. 9
1000 Calver	Cillis Parkwa	'address)	ylanu., z	7037-4702 11011110.5		O. no., job no., etc			
	Politic	nore Cas Float	ric NED	Type Code S					
3. Work Perfo	rmed by: Baiting	nore Gas Elect	ric, NED	Authorization	No.: ]	N/A			
		(name)		Exp Date: N	I/A				
CCNPP Dep	ot, 1650 Calver	t Cliffs Parkway	y, Lusby,	MD 20657 Section XI C	iass:	Two			
	on of System: System Sy	(address) stem Number 05		Name: Safety Injection 1969 Edition, Summer		Add: Class	Two		
J. (a) Applicati	ne construction co	de and class.							
(b) Applicab	le Sect XI Ed. for I	Repairs/Replacement	nt 83	Ed summer 83 Ad; 92 E	d sum	mer 92 Ad fo	or IWE/IWL		
	on of Components	Repaired or Replace	ed and Replac	cement Components:					
Name of	Name of	Manufacturers Serial Number	National Board No.	Other	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)		
						Replaced, or	Code Stamped		
Componet	Manufacturer	Serial Number	Board No.	Identification #22 LPSI Pump Discharge Check	Built	Replaced, or Replacement	Code Stamped (Yes or No)		
Componet Piping System	Manufacturer  Bechtel  Nova Machine	Serial Number 10"GC1-2003	Board No.	#22 LPSI Pump Discharge Check Valve Piping Nut, Heavy Hex, 1 in. X 8	Built 1977	Replaced, or Replacement	Code Stamped (Yes or No)		
Componet  Piping System  Nut  Flange, Pipe,	Manufacturer  Bechtel  Nova Machine Products Corp. Energy Steel &	Serial Number 10"GC1-2003 20219	Board No.  N/A  N/A	#22 LPSI Pump Discharge Check Valve Piping Nut, Heavy Hex, 1 in. X 8 TPI, SA-194 Gr. 2H Flange, Pipe, 10", Raised Face, 300lb., Welding Neck. ASM SA-	Built 1977 1998	Replaced, or Replacement Replaced	Code Stamped (Yes or No) No		
Piping System  Nut  Flange, Pipe, 10", SA-182  Rod	Manufacturer  Bechtel  Nova Machine Products Corp. Energy Steel & Supply Co.  Cardinal Ind. Products	Serial Number 10"GC1-2003 20219 25863	N/A N/A N/A	#22 LPSI Pump Discharge Check Valve Piping Nut, Heavy Hex, 1 in. X 8 TPI, SA-194 Gr. 2H Flange, Pipe, 10", Raised Face, 3001b., Welding Neck. ASM & SA- 182, Grade F316 Rod, All/2read, 1in. 8	Built 1977 1998 1998	Replaced, or Replacement Replaced Replacement Replacement	Code Stamped (Yes or No) No No		
Componet  Piping System  Nut  Flange, Pipe, 10", SA-182  Rod  7. Description This R&R Pi #22 Lov: Pre	Manufacturer  Bechtel  Nova Machine Products Corp. Energy Steel & Supply Co.  Cardinal Ind. Products  of Work: lan is to allow reessure Safety In	Serial Number  10"GC1-2003  20219  25863  57533-GX  eplacement of no	N/A N/A N/A N/A ecessary p	#22 LPSI Pump Discharge Check Valve Piping Nut, Heavy Hex, 1 in. X 8 TPI, SA-194 Gr. 2H Flange, Pipe, 10", Raised Face, 3001b., Welding Neck. ASM & SA- 182, Grade F316 Rod, All/2read, 1in. 8	Built 1977 1998 1998 1992 nd line " GC-1	Replaced, or Replacement  Replaced  Replacement  Replacement  Replacement  bolting when	Code Stamped (Yes or No)  No  No  No  No  replacing		

#### 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 is hereby invoked to satisfy Section XI required pressure test requirements. Volumetric Examination and Surface Examinations of welds were performed in accordance with ASME Section III, 1992 Edition.

Applicable Manufacturer's Data Reports to be Attached	
We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  Replacement conforms to the rules of	
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: A.R. Zimmerman Welding Engineer Date: 07/09/1999	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 12-18-98 to 4-5-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.  Commissions: 188226 ANZ MD 647  National Board, State, and Endorsements  Date: July 9, 1999	

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

1. Owner:	Baltimo	e Gas Electric C	ompany		Date: 07/0	9/199	9	
		(name)						
G&E Buildin	g, P.O. Box	1475, Baltimore	, Maryland	1, 21203	Sheet 1 of 2			
		(address)						
2. Plant:	Calver	t Cliffs Nuclear P	ower Plan	t	Unit: Tw	10		
		(name)						
1650 Calvert	Cliffs Park	way; Lusby, Mar	yland., 2	0657-4702	R&R No. 9	8-2-27	6a, MWO No	o. 21996032
		(address)					O. no., job no., etc	
2 W-1 D-6	Ba	Itimore Gas Elec	tric. NED		Type Code Sy	ymbol S	Stamp: N/A	
3. Work Perform	med by:	(name)	,		Authorization	No.: ]	N/A	
					Exp Date: N	-		
CCNPP Dept	t, 1650 Calv	ert Cliffs Parkwa	y, Lusby,	MD 20657	Section XI Cl	ass:	Two	
4 71 05 0		(address)	2		fatu Inination			
4. Identification	of System:	System Number 05	System	n Name: Sa	fety Injection	1		
5. (a) Applicable	e Construction	Code and Class: A	SME B31.1	1.0 1967 Edi	ition, CCase	N-10		
(b) Applicable	Sect XI Ed. fo	or Repairs/Replaceme	nt 83	Ed summer	83 Ad; 92 Ed	d sum	mer 92 Ad fe	or IWE/IWL
6. Identification  Name of  Componet	Name of Manufacturer	ts Repaired or Replac Manufacturers Serial Number	National Board No.	0	other ification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Enginnerin Co.	g 0043	N/A	#21 LPSI Pump Valve	Discharge Check	1977	Replaced	No
Valve	Mannesmann Demag Huttentechnik	53523-GX 7762620-4	N/A		heck, 10" 300 lb, .S. Body	1991	Replacement	No
7. Description of	of Work							
This R&R Pla	n is to allow ping line 10"	replacement of ## GC-1-2002. This ntrol3.					~	
8. Tests Conduc	cted: Hyd	rostatic:	Pneumatic	:: D N	Nominal Operati	ng Pres	sure: 🖾	***
	Pres	sure: <u>210</u> psi.	Tes	st Temperature:	<u>90</u> Deg	g. F		
(2) information	n in Items 1 th	s in form of lists, sk arough 6 on this repo	ort is include					

#### 9. Remarks:

A Section XI System Functional 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 the ASME Code, Section XI.	that this Replacement conforms to the rules of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: All R. Juner or Owner's Designee, Title	A.R. Zimmerman Welding Engineer Date: 07/09/1999
Certificate of Inservice Ins	spection
I, the undersigned, holding a valid commission issued by the National F and the State of Maryland and employed by Factory Mutual Insurance Co. components described in this Owner's Report during the period 3-11-5 best of my knowledge and belief, the Owner has performed examinations a Owner's Report in accordance with the requirements of the ASME Code, S. By signing this certificate neither the Inspector nor his employer me the examinations and corrective measures described in this Owner's Report employer shall be liable in any manner for any personal injury or property connected with this inspection.  Commissions: Description of the National Factory Mutual Insurance Co.  Commissions: Description of the National Factory Mutual Insurance Co.	to 4-22-99, and state to the and taken corrective measures described in this Section XI.  akes any warrant, expressed or implied, concerning the Furthermore, neither the Inspector nor his damage of a loss of any kind arising from or
Date: July 9, 1999	Nasional Board, State, and Endorsements

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

1. Owner:	Baltimore	Gas Electric Co	ompany		Date: 07/0	9/1999	9	
		(name)	Date.					
G&E Buildi	ng, P.O. Box 1	475, Baltimore	, Maryland	1, 21203	Sheet 1 of 2			
		(address)						
2. Plant:	Calvert (	Cliffs Nuclear P	ower Plant	t	Unit: Tw	0		
		(name)		-	Omt.			
1650 Calver	rt Cliffs Parkw	ay; Lusby, Mar	vland 20	0657-4702	R&R No. 9	8-2-27	6b. MWO No	o. 219960321
		(address)	<i>y</i> ,, 2,			The second second	O. no., job no., etc	
2 *** 1 D C	Balti	more Gas Elect	ric NED		Type Code Sy			
3. Work Perfo	ormed by:	(name)	iic, iic		Authorization	No.: ]	N/A	
					Exp Date: N	mean as		
CCNPP Dep	pt, 1650 Calver	t Cliffs Parkway	y, Lusby,	MD 20657	Section XI Cl	ass:	Two	
4 14		(address)	2		atu Inlantian			
4. Identification	on of System: Sy	stem Number 05	Z System	n Name: Saf	ety Injection	1		
5. (a) Applicab	ole Construction Co	ode and Class: A	SME B31.7	7 1969 Editio	on, Summer	1971	Add: Class	Two
(b) Applicab	ole Sect XI Ed. for	Repairs/Replacement	nt 83	Ed summer	83 Ad; 92 Ed	sum	mer 92 Ad to	or IWE/IWL
6. Identification	on of Components	Repaired or Replace	ed and Replac	cement Compor	nents:			ASME
							Repaired,	Code
Name of	Name of	Manufacturers	National	0	ther	Year	Replaced, or	Stamped
Componet	Manufacturer	Serial Number	Board No.	Identi	fication	Built	Replacement	(Yes or No)
Piping System	Bechtel	10"GC1-2002	N/A	#21 LPSI Pump Valve Piping	Discharge Check	1977	Replaced	No
Nut	Nova Machine Products Corp.	20219	N/A	Nut, Heavy Hex, TPI, SA-1	1 in. X 8 94 Gr. 2H	1998	Replacement	No
Rod	Cardinal Ind. Products	57533-GX	N/A	Rod, Allthread, 1 TPI, SA-	lin. X 8 193 Gr. B7	1992	Replacement	No
Flange, Pipe, 10", SA-182	Energy Steel & Supply Co.	25863	N/A	Flange, Pipe, 10' 300lb., Welding N 182, Grade F316	Neck, ASME SA-	1998	Replacement	No
7. Description	of Work:							
#21 Low Pre		eplacement of ne njection Pump di echnologies und	scharge ch	eck valve in I	ine class 10"	GC1-		

#### 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 is hereby invoked to satisfy Section XI required pressure test requirements. Volumetric Examination and Surface Examinations of welds were performed in accordance with ASME Section III, 1992 Edition.

Applicable Manufacturer's Data	a Reports to be Attached	
We certify that the statements made in this report are correct the ASME Code, Section XI.	mpliance et and that this Replaceme	ent conforms to the rules of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A		
Signed: Alla R. Jan. Owner's Designee, Title	A.R. Zimmerman Welding Engineer	Date: 07/09/1999
I, the undersigned, holding a valid commission issued by the Nationand the State of Maryland and employed by Factory Mutual Insurance components described in this Owner's Report during the period	conal Board of Boiler and Pose Co. of Norwood, MA. has 2-18-98 to 4-23 tions and taken corrective in Code, Section XI.  yer makes any warrant, exp. Report. Furthermore, points	2-99, and state to the neasures described in this pressed or implied, concerning er the Inspector nor his ny kind arising from or
77		

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

1. Owner:	Baltimore	Gas Electric C	ompany	Date:	07/13/199	99	
G&E Build	ding, P.O. Box 1		e, Maryland	d, 21203 Sheet 1	of 2		
		(address)					
2. Plant:	Calvert (	Cliffs Nuclear P	ower Plan	t Unit:	Two		
		(name)					
1650 Calve	ert Cliffs Parkwa	ay; Lusby, Ma	ryland., 2	0657-4702 R&R N	lo. 99-2-0	12, MWO No	. 2199703971
		(address)				P.O. no., job no., et	
3. Work Peri	formed by Baltin	more Gas Elec	tric. NED	Type Co		Stamp: N/A	
	Torritor by.	(name)		Authori	zation No.:	N/A	
COMPR D	nt 1650 O-1	01111		Exp Dat	e: <u>N/A</u>		
CCNPP DE	ept, 1650 Calver		y, Lusby,	MD 20657 Section	XI Class:	One	
4. Identificat	tion of System: Sys	(address) stem Number 06	4 System	n Name: Reactor Co	olant Sve	tom	
	and of System. Sys	stem ramoer	System	in Name: neactor co	olant Sys	tem	
(b) Applica	able Construction Consider Sect XI Ed. for It ion of Components It	C Repairs/Replaceme	nt 83	V Code Sect. III, 1968 1, N-2, N-10 Ed summer 83 Ad; 9 cement Components:			
Componet	Manufacturer	Serial Number	Board No.	Identification	Built	Replacement	(Yes or No)
Valve Valve, Pzr. Relief, ERV	Dresser Industries Dresser Industries Inc.	BT06815 28696 BY68900	N/A N/A	Pressurizer Steam Safety Val Valve, Pressurizer Relief, ER 1&2-ERV-402, 404; 2500 lb.		Replaced Replacement	Yes No
7. Description	n of Work						
	essurizer relief va	alve 2ERV402 v	vith a new v	valve.			
8. Tests Cond	ducted: Hydrost Pressure		Pneumatic Tes	: Nominal Op t Temperature: 532	erating Press	sure: 🖾	

#### 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. Per Section XI, IWB-2200(b), shop visual and PT exams were accepted in lieu of the specified VT-1 Visual Examination of valve bolting.

Applicable Manufacturer's Data Reports to be Attached	
We certify that the statements made in this report are correct and that this the ASME Code, Section XI.  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: A.R. Zimmerman Welding Engineer Date: 07/13/1999	
Certificate of Inservice Inspection	-
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the	
components described in this Owner's Report during the period 3-19-99 to 7-13-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.	
Lobert 1 Saurence Commissions: NB8226 ANI, MD647 Inspector's Signature National Board, State, and Endorsements	
Date: July 13, 1999	

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

1. Owner:	Baltimore	Gas Electric C	ompany	Date: 07	/13/199	9	
COFPUIL	di DO D 4	(name)					
GAE BUIL	ding, P.O. Box 1		e, Marylan	d, 21203 Sheet 1 of 2			
		(address)					
2. Plant:	Calvert	Cliffs Nuclear P	ower Plan	t Unit: T	wo		
		(name)					
1650 Calv	ert Cliffs Parkwa	AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADDRESS OF THE	ryland., 2	.0657-4702 R&R No.	99-2-0	14, MWO No	. 219940347
		(address)				P.O. no., job no., et	c.)
3. Work Per	formed by: Baltin	more Gas Elec	tric, NED			Stamp: N/A	
		(name)		Authorizati		N/A	
CCNPP D	ept, 1650 Calver	t Cliffs Parkwa	v. Lushv.	MD 20657 Exp Date: Section XI		0	
**	• /	(address)	<i>y</i> , 2000 <i>y</i> ,	Section Al	lass:	One	
4. Identifica	tion of System: Sys	stem Number 05	2 System	m Name: Safety Injection	n		
5. (a) Applica	able Construction Co	de and Class: A	SME B16.	5 Pipe Flanges and Flar	iged Fi	ttings NPS	1/2 in. thru 2
		in	١.				
(b) Applica	ible Sect XI Ed. for I	Repairs/Replaceme	nt 83	Ed summer 83 Ad; 92 E	d sum	mer 92 Ad f	or IWE/IWI
						mor oz na r	OI ITTL/ITTL
b. Identificat	tion of Components I	Repaired or Replac	ed and Repla	cement Components:			ASME
						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)
Valve	Velan Enginnering Co.	0010	N/A	21A Loop Inlet Check Valve	1977	Replaced	No
Disc	Velan Engineering Co.	10523-GX 7051	N/A	Disc, Velan, 12" 1500# SwiChkv P/N 8209-033N440	1995	Replacement	No
Stud	Velan Engineering Co.	53907-GX	N/A	Stud, Cover, Velan 12" Sw Ckv., P-34754-1, 1-7/8"x8TPIx9-1/4"	1991	Replacement	No
Stud	Velan Engineering Co.	54027-GX	. N/A	Stud, Cover, Velan 12" Sw Ckv., P-34754-1, 1-7/8"x8TPIx9-1/4"	1984	Replacement	No
Stud	Velan Engineering Co.	10523-GX	N/A	Stud, Cover, Velan 12" Sw Ckv., P-34754-1, 1-7/8"x8TPIx9-1/4"	1995	Replacement	No
Nut	Velan Engineering Co.	90247-GX	N/A	Nut, Hex, Cover, 1-7/8"x8TPI, SA-194 Gr7, 12 in. SwCkv 1500#	1994	Replacement	No
Nut	Velan Engineering Co.	10479-GX	N/A	Nut, Hex, Cover, 1-7/8"x8TP1, SA-194 Gr7, 12 in. SwCkv 1500#	1995	Replacement	No
7. Descriptio	n of Work						
Overhaul 2	CKVSI-227; repla	ace valve disc a	nd cover b	olting as necessary. Rer	nove ar	nti-rotation lu	gs in
accordance	with instructions	on drawing 12	124-0014 if	f needed.			
8. Tests Cond	ducted: Hydrost	atic:	Pneumatic	: Nominal Operat	ing Press	sure: 🔯	
	Pressure				g. F	are. Est	
	1 Toosur (	ps1.	. 00	Diameter State Di	p. 1		

#### 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. Performed a surface examination of the drilled keyways and cotter pin hole. The replacement valve wedge/plug/disc/trim received a Construction Code Surface Examination at the request of the resident ANII.

Applicable Malidiacturer	s Data Ne	ports to be Attached		
We certify that the statements made in this report are the ASME Code, Section XI.	of Comple correct and	iance I that this Replacemen	t conform	ns to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date	: N/A			
Signed: Owner's Designee, Title	*	A.R. Zimmerman Welding Engineer	Date:	07/13/1999
Certificate of In	service Ir	nspection	With the Party of	
I, the undersigned, holding a valid commission issued by and the State of Maryland and employed by Factory Mutual	the National Insurance C	Board of Boiler and Pro o. of Norwood, MA. hav	essure Ves	ssel Inspectors ed the
components described in this Owner's Report during the peri	iod 3-2	-99 to 5-5	5-99	_, and state to the
best of my knowledge and belief, the Owner has performed e Owner's Report in accordance with the requirements of the A	ASME Code	, Section XI.		
By coming this certificate neither the Inspector nor hi the examination and compative measures described in this O	s employer i	makes any warrant, expr	ressed or i	mplied, concerning
employer shall be liable in any manner for any personal injur- connected with this inspection.	y or propert	y damage of a loss of an	y kind ari	sing from or
O 4				
Kobert Maurence Commis	sions: 1	B8ZZGANI,	MAGS	47
Inspector's Signature		National Board, State, ar		
Date: 13 199 9				
// //			the same of the same of the same of	THE CONTRACT OF THE PARTY OF TH

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

1. Owner:	Baltimore	Gas Electric C	ompany		Date: 05/	17/199	9	
G&E Buildin	ng, P.O. Box 1	475, Baltimore	, Maryland	d, 21203	Sheet 1 of 2			
2. Plant:	Calvert (	(address)  Cliffs Nuclear P	ower Plan	t	Unit: T	wo		
1650 Calver	t Cliffs Parkwa	ay; Lusby, Mar	yland., 2	0657-4702	R&R No.	99-2-01	6. MWO No	. 219990091
		(address)					O. no., job no., et	
3. Work Perfor		more Gas Elec	tric, NED		Type Code S Authorizatio	Symbol S on No.:	Stamp: N/A	•
CCNPP Den	t 1650 Calver	Cliffe Darkwa	v Luchu	MD OCCET	Exp Date: 1	-		
CONT PEP	r, 1030 Carver	t Cliffs Parkwa	y, Lusby,	MD 20657	Section XI C	lass:	Two	
<ol> <li>Identificatio</li> <li>(a) Applicabl</li> </ol>	****	ode and Class: A					condary Sid	
		Repairs/Replacement						
		Repaired or Replace					-	ASME
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Oth Identifi		Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
Piping System	Bechtel	6"EB12-2007	N/A	Main Steam Pipin Liner plate and Is	g between olation valves.	1990	Repaired	No
7. Description	of Work.							
	will be made t	o 6"EB-12-2007	because o	of a location fo	und below	minimu	m wall thickr	ness during
8. Tests Conduc	cted: Hydros Pressure		Pneumatic Tes	No t Temperature:	ominal Operation	ing Press g. F	sure: 🗆	

#### 9. Remarks:

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

We certify that the statements made the ASME Code, Section XI.	Certificate of Com de in this report are correct a	pliance nd that this Repair	conforms to the rules of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A	Expiration Date: N/A		
Signed: Allin R. Je	wner's Designee, Title	A.R. Zimmerman Welding Engineer	Date: 05/17/1999
Owner or O	wner's Designee, Title		
I, the undersigned, holding a valid command the State of Maryland and employed be components described in this Owner's Repubest of my knowledge and belief, the Owner's Report in accordance with the requirements of the state of	y Factory Mutual Insurance port during the period 3 cer has performed examination of the ASME Co	Co. of Norwood, MA. ha  20-99 to 4-1  ons and taken corrective m	ve inspected the
the examinations and corrective measures of employer shall be liable in any manner for connected with this inspection.	described in this Owner's Re	er makes any warrant, expeport. Furthermore, neitherty damage of a loss of a	ny kind arising from or

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

	Daitimor	e Gas Electric C	company	Date: 06/0	09/199	19	
		(name)			00/100		
G&E Buildi	ing, P.O. Box	1475, Baltimore	e, Marylan	d, 21203 Sheet 1 of 2			
		(address)					
2. Plant:	Calvert	Cliffs Nuclear F	ower Plan	unit: Tv	vo		
		(name)		Onit: 10	VO		
1650 Calve	rt Cliffs Parky	vay; Lusby, Ma	rvland 2	0657-4702 R&R No. 0	0-2-0	DE MANO NI-	040000400
		(address)	. ,	10001-4702 Han No. 5		Personal Control of the Control of t	. 219990103
2 111 1 1 2 4	Balt	imove Cas Flan	A-i- NED	Type Code S		P.O. no., job no., et	c.)
3. Work Perfo	ormed by:	imore Gas Elec	tric, NED	Authorization			
		(name)		Evn Date: N		IN/A	
CCNPP Dep	pt, 1650 Calve	rt Cliffs Parkwa	y, Lusby,	MD 20657 Section XI C	TO A STATE OF THE PARTY OF THE	0	
		(address)				One	
4. Identification	on of System: S	ystem Number 05	System	n Name: Safety Injection	1		
5 (a) Applicab	ole Construction C	ode and Class. A	CME DO4	7 4000 F 1111 A			
o. (a) replicad	ne construction C	ode and Class:	SWE B31.	7 1969 Edition, Summer	1971	Add; Class	One
(b) Applicab	le Sect XI Ed. for	Repairs/Replaceme	nt 83	Ed summer 83 Ad; 92 Ed	d sum	mor 00 Ad 6	
			ART STREET STREET, STR				AF 114/E/114/1
6 Identification	on of Comment	n			a Guilli	mer 92 Ad to	or IWE/IWL
6. Identification	on of Components	Repaired or Replac		cement Components:	- ouiii	mer 92 Ad 10	
					- outil		ASME
Name of	Name of	Manufacturers	ed and Repla		Year	Repaired, Replaced, or	
			ed and Repla	cement Components:		Repaired,	ASME Code
Name of Componet	Name of	Manufacturers	ed and Repla	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	cement Components: Other	Year	Repaired, Replaced, or	ASME Code Stamped
Name of Componet	Name of Manufacturer Bechtel Dubose Nat'l	Manufacturers Serial Number	National Board No.	Other Identification  Safety Injection Piping Support Plate, Steel 1/2 in. ASME SA-36, Carbon Steel  Nut, Heavy Hex, 3/4 in. X 10 TPI,	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Componet Piping System Plate	Name of Manufacturer Bechtel Dubose Nat'l Energy	Manufacturers Serial Number CC4-2009-R9 53792-GX	National Board No.	Other Identification  Safety Injection Piping Support Plate, Steel 1/2 in. ASME SA-36, Carbon Steel	Year Built 1977 1992	Repaired, Replaced, or Replacement Replaced Replacement	ASME Code Stamped (Yes or No)
Name of Componet  Piping System Plate  Nut Bolt	Name of Manufacturer  Bechtel Dubose Nat'l Energy Allied Group  Cardinal Ind. Products	Manufacturers Serial Number CC4-2009-R9 53792-GX 31389	National Board No. N/A N/A	Other Identification  Safety Injection Piping Support Plate, Steel 1/2 in. ASME SA-36, Carbon Steel  Nut, Heavy Hex, 3/4 in. X 10 TPI, SA-194 Gr. 2H  Bolt, Heavy Hex Head, 3/4 in. X 2	Year Built 1977 1992	Replaced, or Replacement  Replaced  Replacement  Replacement	ASME Code Stamped (Yes or No)
Name of Componet  Piping System Plate  Nut Bolt  7. Description	Name of Manufacturer  Bechtel Dubose Nat'l Energy Allied Group  Cardinal Ind. Products  of Work:	Manufacturers Serial Number CC4-2009-R9 53792-GX 31389 88400-GX	National Board No.  N/A  N/A  N/A  N/A	Other Identification  Safety Injection Piping Support Plate, Steel 1/2 in. ASME SA-36, Carbon Steel  Nut, Heavy Hex, 3/4 in. X 10 TPI, SA-194 Gr. 2H  Bolt, Heavy Hex Head, 3/4 in. X 2 in. X 10 TPI, SA-325 Tp. 1	Year Built 1977 1992 1998	Replaced, or Replacement  Replaced Replacement  Replacement  Replacement	ASME Code Stamped (Yes or No)
Name of Componet  Piping System Plate  Nut Bolt 7. Description Modify 12"Co	Name of Manufacturer  Bechtel Dubose Nat'1 Energy Allied Group  Cardinal Ind. Products  of Work: C4-2009-R9 be	Manufacturers Serial Number  CC4-2009-R9 53792-GX  31389  88400-GX	National Board No.  N/A N/A N/A N/A re); install	Other Identification  Safety Injection Piping Support Plate, Steel 1/2 in. ASME SA-36, Carbon Steel  Nut, Heavy Hex, 3/4 in. X 10 TPI, SA-194 Gr. 2H  Bolt, Heavy Hex Head, 3/4 in. X 2 in. X 10 TPI, SA-325 Tp. 1	Year Built 1977 1992 1998 1995	Replaced, or Replacement  Replaced Replacement  Replacement  Replacement  Replacement	ASME Code Stamped (Yes or No)
Name of Componet  Piping System Plate  Nut Bolt  7. Description	Name of Manufacturer  Bechtel Dubose Nat'l Energy Allied Group  Cardinal Ind. Products  of Work: C4-2009-R9 be	Manufacturers Serial Number  CC4-2009-R9 53792-GX 31389 88400-GX	National Board No.  N/A N/A N/A N/A Pre); install	Other Identification  Safety Injection Piping Support Plate, Steel 1/2 in. ASME SA-36, Carbon Steel  Nut, Heavy Hex, 3/4 in. X 10 TPI, SA-194 Gr. 2H  Bolt, Heavy Hex Head, 3/4 in. X 2 in. X 10 TPI, SA-325 Tp. 1	Year Built 1977 1992 1998 1995	Replaced, or Replacement  Replaced Replacement  Replacement  Replacement  Replacement	ASME Code Stamped (Yes or No)

#### 9. Remarks:

A Section XI VT-3/4 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Dat	a Reports to be Attached	
We certify that the statements made in this report are correct the ASME Code, Section XI.	mpliance ct and that this Replacement	conforms to the rules of
Type Code Symbol Stamp: N/A  Certificate of Authorization No.: N/A Expiration Date: N/A	1	
Signed: Alla R. Jen Owner's Designee, Title	A.R. Zimmerman Welding Engineer	Date: 06/09/1999
I, the undersigned, holding a valid commission issued by the Nat and the State of Maryland and employed by Factory Mutual Insuran components described in this Owner's Report during the period best of my knowledge and belief, the Owner has performed examina Owner's Report in accordance with the requirements of the ASME of By signing this certificate neither the Inspector nor his employed.	tional Board of Boiler and Pressure Co. of Norwood, MA. have  4-3-99 to 4-18- ations and taken corrective mean Code, Section XI.	99, and state to the sures described in this
the examinations and corrective measures described in this Owner's employer shall be liable in any manner for any personal injury or proconnected with this inspection.	Report. Furthermore, neither t	the Inspector nor his
Date: June 9, 1999	National Board, State, and	Endorsements

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

							THE TAXABLE CONTROL OF THE CONTROL O	
1. Owner:	Baltimore	Gas Electric Co	ompany	Date:	06/09/199	9		
G&E Buildi	ing, P.O. Box 14	175, Baltimore	I, 21203 Sheet 1	Sheet 1 of 2				
	0-1	(address)						
2. Plant:	Calvert	liffs Nuclear P	ower Plan	Unit:	Two			
1650 Calve	ert Cliffs Parkwa	(name) ny; Lusby, Mar	yland., 20	0657-4702 R&R	No. 99-2 <b>-</b> 02	8, MWO No	. 2199705517	
		(address)			(1	P.O. no. job no., etc	:.)	
3. Work Perfe	Baltir	more Gas Elect	ric. NED	Type C	ode Symbol S	Stamp: N/A		
5. WOIK FEIR	offined by.	(name)		Author	ization No.:	N/A		
					ite: N/A			
CCNPP De	pt, 1650 Calvert	(address)	y, Lusby,	MD 20657 Section	XI Class:	Two		
5. (a) Applicat	ble Construction Co	Cepairs/Replaceme	echtel Spe ontrol Valv	c 6750-M-292 Atmo	spheric Du		ne Bypass	
Valve	Copes Vulcan Inc.	144004	N/A	#21 Main Steam Header Atmospheric Dump Valve	1977	Replaced	No	
Trim	Copes-Vulcan Inc.	26137 145380	N/A	Trim, Assembly, Valve, 5 in 600lb., Dwg. B-143178, P/N 701095030001050		Replacement	No	
<ul><li>7. Description</li><li>Overhaul #2</li><li>8. Tests Cond</li></ul>	21 Main Steam A	tatic:	Pneumatic	39; replace trim and  Nominal Control Temperature: 400	bolting as r Operating Pres Deg. F		-	

#### 9. Remarks:

A Section XI System Functional 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 the ASME Code, Section XI.  Replacement conforms to the rule of the ASME Code, Section XI.	es of
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A	
Signed: A.R. Zimmerman Welding Engineer Date: 06/09/19	199
Certificate of Inservice Inspection	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the	ors
components described in this Owner's Report during the period 4-6-99 to 5-5-99, and state best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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, con 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.	his cerning
Robert W. Lawrence Commissions: MB8226 ANI, MD647 Inspector's Signature National Board, State, and Endorsements  Date: June 10, 1999	

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

1. Owner: Baltimore Gas Electric Company (name)  G&E Building, P.O. Box 1475, Baltimore, Maryland, 21203					Date: 07/01/1999 Sheet 1 of 2												
											(address)						
									2. Plant: Calvert Cliffs Nuclear Power Plant					Tw	10		
		(name)															
1650 Calve	rt Cliffs Parkwa	ay; Lusby, Mar	yland., 2	0657-4702 R&F	R No. 9	9-2-03	6, MWO No.	2199802244									
(address)					(P.O. no., job no., etc.)												
3 Work Darfo	Work Performed by: Baltimore Gas Electric, NED  (name)					Type Code Symbol Stamp: N/A Authorization No.: N/A											
5. WOLK Perio																	
					Exp Date: N/A												
CCNPP Dept, 1650 Calvert Cliffs Parkway, Lusby, MD 20657					Section XI Class: Two												
		(address)					*										
4. Identification	on of System: Sy	stem Number 05	2 System	n Name: Safety In	jection	1											
5. (a) Applicab	ole Construction Co	ode and Class: Al	PI-Std. 610	, 4th Edition, 196	5												
(b) Applicab	ole Sect XI Ed. for I	Repairs/Replacement	nt 83	Ed summer 83 Ac	; 92 Ec	d sum	mer 92 Ad fe	or IWE/IWL									
6. Identification	on of Components	Repaired or Replace	ed and Repla	cement Components:				ACME									
							Repaired,	ASME Code									
Name of	Name of Name of Manufacturers N		National	Other	Other		Replaced, or	Stamped									
Componet	Manufacturer	Serial Number	Board No.	Identification	1	Built	Replacement	(Yes or No)									
Pump	Ingersol Rand	2PUMPSILPSI21	N/A	#21 Low Pressure Safety Injection Pump		1977	Replaced	No									
Pump, Assem., LPSI	Ingersol Rand Co	17190-MX 2873A	N/A	Pump Assembly, Comple Pump Casing for Low Pr Safety Injection Pump(s)	ressure	1982	Replacement	No									
7. Description	of Work:																
This R&R Pi Pressure Sa	lan is for the reparety Injection P	ump. The replac	cement ass	ex extension on the sembly was rebuilt ng part from Mech	under N	AWO (	mbly for #21 0199600804.	Low The									
8. Tests Cond	ucted: Hydros Pressur		Pneumatic Tes	Nominal Nominal St Temperature: 90	Operation Deg	-	sure: 🛛										

#### 9. Remarks:

A Section XI System Functional 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 the ASME Code, Section XI.  Replacement conforms to the rules of								
Type Code Symbol Stamp: N/A Certificate of Authorization No.: N/A Expiration Date: N/A								
Signed: A.R. Zimmerman Welding Engineer Date: 07/01/1999								
Certificate of Inservice Inspection								
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Norwood, MA. have inspected the								
components described in this Owner's Report during the period 4-22-99 to 4-22-99, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.								
Lobert L. Lawrence Commissions: NBBZZG ANT MD647  National Board, State, and Endorsements  Date: July 9, 1999								