Peter E. Katz
Vice President
Calvert Cliffs Nuclear Power Plant
Constellation Generation Group, LLC

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4455
410 495-3500 Fax

Constellation Energy Group

September 17, 2002

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

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

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

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

Very truly yours,

Peter E. Katz

PEK/TWG/bjd

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

cc: Mr. Craig Lowry

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

A047

ENCLOSURE (1)

ASME BOILER & PRESSURE VESSEL CODE

SECTION XI, FORM NIS-1

Calvert Cliffs Nuclear Power Plant
September 17, 2002

NIS-1

OWNER'S REPORT FOR INSERVICE INSPECTIONS

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

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

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

3. Plant Unit 1

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

5. Commercial Service Date 5/08/1975

6 National Board Number for Unit 20911

7. Components Inspected

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

8. Examination Dates 4/28/2000 to 6/19/2002

9. Inspection Period Identification: 1999 to 2002

10. Inspection Interval Identification: 1999 to 2009

11. Applicable Edition of Section XI 1998 Addenda None

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

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

NIS-1

The examinations reported herein constitute the fifteenth report of Inservice Inspections performed at Calvert Cliffs Unit 1, and the second report within the first period of the third interval of commercial operation. The examinations for this inspection period, as required by the Third Interval Plan for Calvert Cliffs Units 1 & 2, were performed in accordance with the 1998 Edition of ASME Code Section XI with No Addenda. Nondestructive examination data and procedures are available at the site for review.

14. Abstract of Results of Examinations and Tests

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

15. Abstract of Corrective Measures

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

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

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No (if applicable) N/A Expiration Date

Date 9/3/2002 Signed Constellation Energy By Keith M. Hoffman

Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectores and the State or provinces of MARYLAND and employed by FACTORY MUTUAL INSURANCE COMPANY of JOHNSTON, RI have inspected the components described in this Owner's Report during the peroid 4/28/2000 to 6/19/2002 , and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI

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

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

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

Date Sept. 3, 2002

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P O. Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3 Plant Unit 1
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5 Commercial Service Date: 5/08/1975
6. National Board Number for Unit: 20911

EXAM CATEGORY / ITEM NUMBER: -- / --

Reactor Coolant System / Reactor Vessel Head

Summary/ID No	Component ID	Component Description	Comments
140000	Head Penetrations 1-74	Reactor Vessel Head CRDM , ICI , & Vent Line Penetrations	This examination was performed in response to NRC Bulletin 2002-01. The exam was performed by Framatome ANP personnel with CCNPP Level II and Level III oversight. Pictures are located at CCNPP for review

Exam Results:

2002VE002 Accept

VARIOUS

Summary/ID No	Component ID	Component Description	Comments
170000	BACI CNTMT Mode 3 PS	MODE 3 POST SHUTDOWN WALKDOWN	Exams performed per NRC Generic Letter 88-05 & MN-3-301(Boric Acid Program); all components with boric acid build-up listed in IR3-076-465, IR3-076-466, and IR3-076-467. No active leakage was noted

Exam Results:

2002BV134 Accept

170200	BACI AUX BLDG Mode 5/6	MODE 5/6 AUXILLARY BUILDING WALKDOWN	Exams per NRC GL 88-05 & MN-3-301(Boric Acid Program) IR3-080-634 written due to active leakage on 1-cvc-210q in the 5' VCT Rm IR3-080-635 written for various components with boric acid build-up No active leakage seen under this MO.

Exam Results:

2002BV145 Accept

170100	BACI CNTMT Mode 5/6	MODE 5/6 CONTAINMENT WALKDOWN	Exams per NRC GL 88-05 & MN-3-301(Boric Acid Program). Lower RPV head examined remotely. Videotape with report. Htr pen. examined with insulation removed IAW requ for a VT-1 exam. New S/G manway studs with new S/G. No Boric Acid seen in these areas.

Exam Results:

2002BV139 Accept

ATTACHMENT 1

Inservice Inspection Report

3-1-2

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3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit: 20911

EXAM CATEGORY / ITEM NUMBER: AUGMT / ----

MAIN STEAM

Summary/ID No	Component ID	Component Description	Comments
422000	36-MS-1201-3LU	LONGITUDINAL SEAM	Allocated in accordance with CCNPP Augmented Inservice Examination Program.
Exam Results:			
	2002BU034 Accept		
	2002BM052 Accept		
427600	34-MS-1202-13LU	LONGITUDINAL SEAM	Allocated in accordance with CCNPP Augmented Inservice Examination Program.
Exam Results			
	2002BU036 Accept		
	2002BM062 Accept		
427700	34-MS-1202-13LD	LONGITUDINAL SEAM	Allocated in accordance with CCNPP Augmented Inservice Examination Program
Exam Results:			
	2002BM036 Accept		
	2002BU037 Accept		
427650	34-MS-1202-13	PIPE TO PIPE	Allocated in accordance with CCNPP Augmented Inservice Examination Program
Exam Results:			
	2002BM034 Accept		
	2002BU035 Accept		
431750	6-MS-1208-10N	PIPE TO PIPE	Allocated in accordance with CCNPP Augmented Inservice Examination Program
Exam Results:			
	2002BU027 Accept		
	2002BM038 Accept		
431900	6-MS-1208-11N	PIPE TO VALVE 1-CV-4071	Allocated in accordance with CCNPP Augmented Inservice Examination Program. Single side access due to configuration. Weld preparation prevented complete coverage of far side. This item may be considered for relief.
Exam Results:			
	2002BU028 Accept		
	2002BM039 Accept		

ATTACHMENT 1

Inservice Inspection Report
3-1-2

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

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

REACTOR PRESSURE VESSEL

Summary/ID No.	Component ID	Component Description	Comments
002350	6-209A	HEAD TO FLANGE WELD	*Weld metal examined 100%; base metal exam limited due to support lugs. **Flange configuration, welded lugs, insulation support ring, and weld transition area prevented full exam coverage This item may be considered for relief.

Exam Results:

2002BU025	Accept
2002BM071	Accept

EXAM CATEGORY / ITEM NUMBER: B-G-1 / B6.10

REACTOR PRESSURE VESSEL

Summary/ID No	Component ID	Component Description	Comments
003550	1 - 54	RPV NUTS 1- 54	VT of Rx Head Nuts 1 thru 18, minor mechanical damage, surface nicks, hammer marks. Nuts #1, 4, 15, and 16 showing a higher degree of mechanical damage. Areas of mechanical damage of the 18 nuts showed no degradation.

Exam Results:

2002BV022	Accept

EXAM CATEGORY / ITEM NUMBER: B-G-1 / B6.30

REACTOR PRESSURE VESSEL

Summary/ID No	Component ID	Component Description	Comments
003500	STUD NUMBERS 1 THROU	RPV STUDS	Examined RPV Stud numbers 1 through 18

Exam Results

2002BM068	Accept
2002BM056	Accept
2002BU038	Accept
2002BU039	Accept
2002BM067	Accept

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

REACTOR PRESSURE VESSEL

Summary/ID No	Component ID	Component Description	Comments
003600	WASHER NUMBERS 1 THR	RPV WASHERS 1-54	Washers 1 thru 18 examined, the inner diameter face area of all 18 washers showed minor (small) pitting with no degradiation

Exam Results:

2002BV023	Accept

ATTACHMENT 1

Inservice Inspection Report

3-1-2

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3. Plant Unit 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit 20911

EXAM CATEGORY / ITEM NUMBER: B-J / B9.11

PRESSURIZER SPRAY

Summary/ID No	Component ID		Component Description	Comments
118150	4-PS-1003M-6		ELBOW TO PIPE	
Exam Results:				
	2002BP067	Accept		
	2002BU032	Accept		
118100	4-PS-1003M-5		PIPE TO ELBOW	
Exam Results:				
	2002BU031	Accept		
	2002BP061	Accept		

SAFETY INJECTION

Summary/ID No	Component ID		Component Description	Comments
117200	6-SI-1002-29		ELBOW TO PIPE	
Exam Results.				
	2002BU066	Accept		
	2002BP257	Accept		
117300	6-SI-1002-31		ELBOW TO PIPE	
Exam Results:				
	2002BP157	Accept		
	2002BU068	Accept		
117550	6-SI-1003-23		ELBOW TO PIPE	
Exam Results:				
	2002BU070	Accept		
	2002BP256	Accept		
114350	12-SI-1009-16		NOZZLE TO SAFE END	
Exam Results:				
	2002BU077	'Accept		
	2002BP296	Accept		
117350	6-SI-1002-32		PIPE TO BRANCH CONNECTION	* The PDI austenitic UT procedure not qualified to detect flaws on far side of single side access welds; 50% coverage is max credit allowed Far side of weld examined to max extent possible by approved PDI techniques Item may be considered for relief.
Exam Results:				
	2002BU069	Accept		
	2002BP259	Accept		
117150	6-SI-1002-28		PIPE TO ELBOW	
Exam Results:				
	2002BP158	Accept		
	2002BU065	Accept		
117250	6-SI-1002-30		PIPE TO ELBOW	
Exam Results:				
	2002BU067	Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

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2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit 20911

2002BP258 Accept

SHUTDOWN COOLING

Summary/ID No	Component ID	Component Description	Comments
111350	14-SC-1004-5	ELBOW TO PIPE	
Exam Results:			
	2002BU062 Accept		
	2002BP154 Accept		
113000	14-SC-1004-29	ELBOW TO PIPE	
Exam Results:			
	2002BU029 Accept		
	2002BP060 Accept		
111750	14-SC-1004-10	PIPE TO ELBOW	
Exam Results:			
	2002BU063 Accept		
	2002BP156 Accept		
112500	14-SC-1004-20	PIPE TO ELBOW	
Exam Results:			
	2002BP155 Accept		
	2002BU064 Accept		

ATTACHMENT 1

Inservice Inspection Report
3-1-2

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2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req) N/A
5 Commercial Service Date: 5/08/1975
6 National Board Number for Unit: 20911

EXAM CATEGORY / ITEM NUMBER: B-J / B9.21

CHARGING (CVCS)

Summary/ID No	Component ID	Component Description	Comments
128250	2-CV-1004-6B	ELBOW TO PIPE	
Exam Results:			
	2002BP247 Accept		
128350	2-CV-1004-6D	ELBOW TO PIPE	
Exam Results:			
	2002BP249 Accept		
131050	2-CV-1006-14N	ELBOW TO PIPE	
Exam Results:			
	2002BP244 Accept		
130450	2-CV-1005-29	NOZZLE TO SAFE END	
Exam Results:			
	2002BP304 Accept		
128300	2-CV-1004-6C	PIPE TO ELBOW	
Exam Results:			
	2002BP248 Accept		
131000	2-CV-1006-13N	PIPE TO ELBOW	
Exam Results:			
	2002BP243 Accept		
131150	2-CV-1006-15N	PIPE TO TEE	
Exam Results			
	2002BP240 Accept		
128100	2-CV-1004-5N	TEE TO PIPE	
Exam Results:			
	2002BP246 Accept		
129100	2-CV-1005-9N	TEE TO PIPE	
Exam Results:			
	2002BP241 Accept		
129250	2-CV-1005-10B	TEE TO PIPE	
Exam Results:			
	2002BP242 Accept		

PRESSURIZER SPRAY

Summary/ID No.	Component ID	Component Description	Comments
118550	3-PS-1001-1	NOZZLE TO SAFE END	
Exam Results:			
	2002BP303 Accept		
120350	3-PS-1002-1	NOZZLE TO SAFE END	
Exam Results:			
	2002BP300 Accept		

REACTOR COOLANT DRAINS

Summary/ID No	Component ID	Component Description	Comments

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date· 5/08/1975
6. National Board Number for Unit. 20911

131500 2-DR-1004-1 NOZZLE TO SAFE END

Exam Results·

2002BP301 Accept

EXAM CATEGORY / ITEM NUMBER: B-J / B9.32

REACTOR COOLANT

Summary/ID No	Component ID	Component Description	Comments
101900	30-RC-11A-5/2-DR-1003	2-IN BRANCH CONNECTION	
Exam Results			
	2002BM445 Accept		
102600	30-RC-11A-10/2-CV-1005	2-IN. BRANCH CONNECTION	
Exam Results·			
	2002BM448 Accept		
104150	30-RC-11B-5/2-DR-1004	2-IN BRANCH CONNECTION	
Exam Results·			
	2002BM446 Accept		
104850	30-RC-11B-10/3-PS-1002	2-IN. BRANCH CONNECTION	
Exam Results·			
	2002BM450 Accept		
107050	30-RC-12A-5/2-LD-1004	2-IN. BRANCH CONNECTION	
Exam Results·			
	2002BM447 Accept		
102700	30-RC-11A-10/3-PS-1001	3-IN. BRANCH CONNECTION	
Exam Results·			
	2002BM449 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

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3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit: 20911

EXAM CATEGORY / ITEM NUMBER: B-J / B9.40

CHARGING (CVCS)

Summary/ID No	Component ID	Component Description	Comments
127300	2-CV-1003-33	COUPLING-TO-PIPE	
Exam Results:			
	2002BP293 Accept		
126100	2-CV-1003-8D	PIPE TO VALVE 1-CVC-185	
Exam Results:			
	2002BP254 Accept		
126000	2-CV-1003-8B	PIPE TO VALVE 1-CVC-389	
Exam Results			
	2002BP252 Accept		
125950	2-CV-1003-8A	TEE TO PIPE	
Exam Results:			
	2002BP251 Accept		
125800	2-CV-1003-5	VALVE 1-CV-517 TO PIPE	
Exam Results			
	2002BP294 Accept		
126050	2-CV-1003-8C	VALVE 1-CVC-389 TO PIPE	
Exam Results			
	2002BP253 Accept		

LETDOWN LINES (CVCS)

Summary/ID No	Component ID	Component Description	Comments
125550	2-LD-1004-8C	PIPE TO TEE	
Exam Results:			
	2002BP308 Accept		
125450	2-LD-1004-8A	PIPE TO VALVE 1-CVC-397	
Exam Results:			
	2002BP306 Accept		
125500	2-LD-1004-8B	VALVE 1-CVC-397 TO PIPE	
Exam Results:			
	2002BP307 Accept		

REACTOR COOLANT DRAINS

Summary/ID No.	Component ID	Component Description	Comments
131550	2-DR-1004-1A	SAFE END TO PIPE	
Exam Results:			
	2002BP302 Accept		

ATTACHMENT 1

Inservice Inspection Report
3-1-2

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3 Plant Unit. 1
4 Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date. 5/08/1975
6. National Board Number for Unit: 20911

EXAM CATEGORY / ITEM NUMBER: B-M-2 / B12.50

SAFETY INJECTION

Summary/ID No	Component ID	Component Description	Comments
135650	1-SI-217	VALVE BODIES GROUP 5	

Exam Results:

2002BV112 Accept

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

REACTOR COOLANT

Summary/ID No	Component ID	Component Description	Comments
138650	PRESSURE RETAINING C	REACTOR PRESSURE VESSEL	

Exam Results:

2002BV178 Accept

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

PRESSURIZER

Summary/ID No	Component ID	Component Description	Comments
138750	PRESSURE RETAINING C	PRESSURIZER	

Exam Results:

2002BV179 Accept

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

STEAM GENERATOR

Summary/ID No	Component ID	Component Description	Comments
138850	PRESSURE RETAINING C	STEAM GENERATORS	

Exam Results:

2002BV180 Accept

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

RCS SI CVCS

Summary/ID No	Component ID	Component Description	Comments
139050	PRESSURE RETAINING C	PIPING	

Exam Results:

2002BV182 Accept

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

REACTOR COOLANT

Summary/ID No	Component ID	Component Description	Comments
139150	PRESSURE RETAINING C	PUMPS	

Exam Results:

2002BV183 Accept

ATTACHMENT 1

Inservice Inspection Report

3-1-2

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3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit: 20911

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

SI CVCS

Summary/ID No	Component ID	Component Description	Comments
139250	PRESSURE RETAINING C	VALVES	
Exam Results:			
	2002BV184 Accept		

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

SAFETY INJECTION

Summary/ID No	Component ID	Component Description	Comments
302750	18-SI-1203-H-2, R-1	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP071 Accept		
304950	18-SI-1204-H-10, R-6	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP073 Accept		
309300	14-SI-1211-H-9	INTEGRAL ATTACHMENT	* Pipe attachment in way of examination area.
Exam Results:			
	2002BP035 Accept		
310800	12-SI-1214-H-8	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP019 Accept		
315500	10-SI-1206-R-4	INTEGRAL ATTACHMENT	TWO STANCHIONS ATTACHED TO 10" HC-3-1006 180 DEGREES FROM EACH OTHER
Exam Results:			
	2002BP059 Accept		
316050	10-SI-1207-R-18	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP292 Accept		
319150	8-SI-1221-H-4	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP025 Accept		
331150	6-SI-1213-A-1	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP234 Accept		
332650	6-SI-1214-R-1	INTEGRAL ATTACHMENT	
Exam Results:			
	2002BP318 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

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3. Plant Unit: 1
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5 Commercial Service Date· 5/08/1975
6. National Board Number for Unit 20911

EXAM CATEGORY / ITEM NUMBER: C-F-1 / C5.11

SAFETY INJECTION

Summary/ID No	Component ID	Component Description	Comments
310650	12-SI-1214-12	ELBOW TO VALVE 1-SI-306	*The PDI procedure is not qualified to detect defects on the far side of single side access Austenitic welds The inaccessable side has been examined with approved PDI techniques. **This item may be considered for relief.

Exam Results

20021BU002	Accept
2002BP018	Accept

ATTACHMENT 1

Inservice Inspection Report
3-1-2

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3. Plant Unit. 1
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit: 20911

EXAM CATEGORY / ITEM NUMBER: C-F-1 / Exempt

SAFETY INJECTION

Summary/ID No	Component ID	Component Description	Comments
307500	14-SI-1201-3	ELBOW TO FLANGE	* Exam elbow side only due to configuration The PDI procedure not qualified to detect defects on far side of single side access welds. The far side has been examined to max extent achievable by approved PDI techniques May be considered for relief.
Exam Results:			
	20021BU011 Accept		
	2002BP030 Accept		
304750	18-SI-1204-2	ELBOW TO PIPE	
Exam Results:			
	2002BU060 Accept		
	2002BP076 Accept		
316000	10-SI-1207-3	ELBOW TO PIPE	
Exam Results:			
	20021BU019 Accept		
	2002BP036 Accept		
317350	8-SI-1220-6	ELBOW TO PIPE	
Exam Results:			
	20021BU005 Accept		
	2002BP021 Accept		
319100	8-SI-1221-3	ELBOW TO PIPE	
Exam Results:			
	20021BU008 Accept		
	2002BP024 Accept		
321200	6-SI-1203-11	ELBOW TO REDUCER	
Exam Results:			
	2002BU024 Accept		
	2002BP053 Accept		
328700	6-SI-1211-14	ELBOW TO REDUCER	
Exam Results:			
	2002BP034 Accept		
	20021BU018 Accept		
310850	12-SI-1214-15	ELBOW TO TEE	
Exam Results:			
	2002BP020 Accept		
	20021BU004 Accept		
321150	6-SI-1003-10	FLANGE TO ELBOW	* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to maximum extent achievable by approved PDI techniques. This item may be considered for relief.
Exam Results			
	2002BP052 Accept		
	2002BU023 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P.O. Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit 20911

324050	6-SI-1206-11	FLANGE TO ELBOW	* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to maximum extent achievable by approved PDI techniques This item may be considered for relief.
Exam Results:			
	2002BP032 Accept		
	20021BU016 Accept		
313450	10-SI-1203-5	FLANGE TO PIPE	* Examined Pipe side only due to configuration. The exam volume on opposite side examined by PDI techniques, but credit cannot be taken for this exam since PDI procedure is not qualified for this volume. This item may be considered for relief
Exam Results:			
	2002BU026 Accept		
	2002BP047 Accept		
302200	18-SI-1203-1	PIPE TO ELBOW	
Exam Results:			
	2002BU059 Accept		
	2002BP075 Accept		
302800	18-SI-1203-7	PIPE TO ELBOW	
Exam Results:			
	2002BP135 Accept		
	20021BU013 Accept		
309750	12-SI-1213-6	PIPE TO ELBOW	
Exam Results:			
	20021BU010 Accept		
	2002BP029 Accept		
318150	8-SI-1220-16	PIPE TO ELBOW	
Exam Results:			
	2002BP022 Accept		
	20021BU006 Accept		
318250	8-SI-1220-18	PIPE TO ELBOW	
Exam Results:			
	2002BP023 Accept		
	20021BU007 Accept		
328000	6-SI-1211-2	PIPE TO ELBOW	
Exam Results:			
	2002BP044 Accept		
	2002BU021 Accept		
312850	10-SI-1202-3	PIPE TO FLANGE	*Since PDI Aust Pipe Procd not qual'd to detect defects on far side of single sided welds, max coverage claimed can be 50%. Additional constraint of branch connection lowers coverage to 47%. Far side examined to max extent possible with PDI techniques.
Exam Results:			
	20021BU015 Accept		
	2002BP026 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P.O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6 National Board Number for Unit. 20911

315650	10-SI-1206-10	PIPE TO FLANGE	
Exam Results:			
	2002BP048 Accept		
328500	6-SI-1211-10	PIPE TO FLANGE	* PDI procedure not qualified to detect defects on the far side of single side access welds, far side examined to maximum extent achievable by approved PDI techniques. This item may be considered for relief.
Exam Results:			
	2002BP033 Accept		
	20021BU017 Accept		
312700	12-SI-1216-7	PIPE TO REDUCER	
Exam Results:			
	20021BU003 Accept		
	2002BP017 Accept		
315750	10-SI-1206-12	PIPE TO REDUCER	
Exam Results:			
	2002BU022 Accept		
	2002BP045 Accept		
305000	18-SI-1204-6	PIPE TO VALVE 1-SI-4146	
Exam Results:			
	2002BP074 Accept		
	2002BU061 Accept		
302550	18-SI-1203-3	PIPE TO VALVE MOV-4143	The PDI procedure not qualified to detect defects on far side of single side access welds. The far side has been examined to max extent achievable by approved PDI techniques May be considered for relief.
Exam Results			
	2002BP072 Accept		
	2002BU051 Accept		
312800	10-SI-1202-2	REDUCER TO PIPE	
Exam Results:			
	2002BP027 Accept		
	20021BU014 Accept		
323300	6-SI-1206-1	TEE TO PIPE	* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to maximum extent achievable by approved PDI techniques This item may be considered for relief.
Exam Results:			
	2002BP043 Accept		
	2002BU020 Accept		
320650	6-SI-1203-1	VALVE 1-SI-401 TO PIPE	* The PDI austenitic UT procedure not qualified to detect flaws on far side of single side access welds; 50% coverage is max credit allowed Far side of weld examined to max extent possible by approved PDI techniques Item may be considered for relief.
Exam Results:			
	2002BP058 Accept		
	2002BU071 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3 Plant Unit: 1
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit. 20911

	2002BU030 Accept		
323850	6-SI-1206-7	VALVE 1-SI-411 TO PIPE	* PDI procedure not qualified to detect defects on the far side of single side access welds; far side examined to maximum extent achievable by approved PDI techniques This item may be considered for relief.

Exam Results:

	2002BP031 Accept		
	20021BU012 Accept		
307400	14-SI-1201-1	VALVE SI-441 TO TEE	* The PDI austenitic UT procedure not qualified to detect flaws on far side of single side access welds; 50% coverage is max credit allowed. Far side of weld examined to max extent possible by approved PDI techniques. Item may be considered for relief

Exam Results:

20021BU009	Accept
2002BP028	Accept
2002BU073	Accept

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

MAIN STEAM

Summary/ID No	Component ID	Component Description	Comments
422050	36-MS-1201-3	PIPE TO VALVE 1-CV-4043	

Exam Results:

2002BM032	Accept
2002BU033	Accept

EXAM CATEGORY / ITEM NUMBER: C-F-2 / C5.81

MAIN STEAM

Summary/ID No	Component ID	Component Description	Comments
422300	36-MS-1202-1/6-RV-4000	6-IN. BRANCH CONNECTION	

Exam Results:

2002BP264	Accept

421350	36-MS-1201-1/6-RV-3992	BRANCH CONNECTION	

Exam Results:

2002BM033	Accept

EXAM CATEGORY / ITEM NUMBER: E-A / E1.11

Containmen t Structures

Summary/ID No	Component ID	Component Description	Comments
A10000	Liner	All accessible areas	Overall Gen Visual Exam of Liner shows no evidence of damage or degradation. Areas identified are from mechanical means which have chipped/peeled coating not exposing the substrate.

Exam Results:

2002VE001

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P.O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req.) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit. 20911

EXAM CATEGORY / ITEM NUMBER: F-A / F1.10

SAFETY INJECTION

Summary/ID No	Component ID	Component Description	Comments
602500	12-SI-1011-R-8	COMPONENT SUPPORT-SNUBBER	THIS EXAM WAS DONE AS AN ADDITIONAL EXAM DUE THE FAILURE OF LTP# 710200 (REF. REPORT N0 2002BV118)

Exam Results:

2002BV128 Accept

601600	12-SI-1009-R-4	COMPONENT SUPPORT-SNUBBER- C-THERMAL	THIS EXAM WAS DONE AS AN ADDITIONAL EXAM DUE TO THE FAILURE OF LTP# 710200 (REF. REPORT N0.2002BV118)

Exam Results:

2002BV129 Accept

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit. 20911

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

SAFETY INJECTION

Summary/ID No	Component ID	Component Description	Comments
710150	6-SI-1214-H-1	COMPONENT SUPPORT	THIS EXAM WAS DONE AS AN ADDITIONAL EXAM DUE TO THE FAILURE OF LTP# 710200. (REF. REPORT NO. 2002BV118)
Exam Results:	2002BV126 Accept		
710250	6-SI-1214-R-2	COMPONENT SUPPORT-SNUBBER	THIS EXAM WAS DONE AS AN ADDITIONAL EXAM DUE TO THE FAILURE OF LTP# 710200 (REF. REPORT N0.2002BV118)
Exam Results	2002BV127 Accept		
709550	6-SI-1212 -R-9	COMPONENT SUPPORT-SNUBBER; C-THERMAL	
Exam Results:	2002BV117 Accept		
710200	6-SI-1214-R-1	COMPONENT SUPPORT-SNUBBER;C-THERMAL	Snubber 1-52-60 has loose bolt at the pipe clamp. IR3-071-565 was written to address the problem; the loose bolt was corrected on the spot by snubber mechanic Additional exams were performed on LTP #s 601600, 602500, 710150, 710250.
Exam Results:	2002BV118 Reject		
705550	10-SI-1206-H-6	COMPONENT SUPPORT-SPRING; C-THERMAL	BOTH SPRING CANS (COMPONENT SUPPORT) SHOW 825# IN THE AS FOUND CONDITION THE +/- 5% OF THE 825# IS WITHIN THE REFERENCE VALUE OF 800#.
Exam Results:	2002BV020 Accept		
703750	14-SI-1211-H-9	COMPONENT SUPPORT-SPRING;C-THERMAL	Northeast side of component support shows misalignment; was measured with angle finder & found to be 4° off center. LEVEL II NOTE- Per engineering the misalignment is acceptable.
Exam Results:	2002BV013 Accept		
713350	3-SI-1201-H-12	COMPONENT SUPPORT-SPRING,C-THERMAL	
Exam Results	2002BV133 Accept		
701800	18-SI-1203-H-2, R-1	COMPONENT SUPPORT; A-ONE DIR	
Exam Results:	2002BV100 Accept		
703325	14-SI-1204-R-1	COMPONENT SUPPORT; A-ONE DIR	Spacers on bottom section of restraint found to be installed on outside of clevis. IR3-076-471 written to address problem. Problem corrected under MO # 1200200946. Reinspected restraint after corrective action - Satisfactory
Exam Results			

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner. Constellation Energy, P.O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit. 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date: 5/08/1975
6. National Board Number for Unit 20911

	2002BV017 Reject		
704100	12-SI-1214-H-8	COMPONENT SUPPORT; A-ONE DIR	Spring can setting is not within 5% of reference setting IR3-070-374 written. Spring can setting adjusted under MO#1200201709 and verified setting at 4250# on 5/21/2002.
Exam Results:			
	2002BV135 Accept		
705700	10-SI-1207-R-18	COMPONENT SUPPORT; A-ONE DIR	OBSERVED CONCRETE SPALLING ON CEILING NEAR ATTACHMENT PLATE EAST SIDE, APPEARED TO BE PREVIOUS EXISTING CONDITION AS IT WAS PAINTED.
Exam Results:			
	2002BV005 Accept		
706400	8-SI-1220-H-13	COMPONENT SUPPORT, A-ONE DIR	
Exam Results			
	2002BV146 Accept		
703800	14-SI-1211-R-7	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV012 Accept		
705600	10-SI-1206-R-4	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV021 Accept		
706700	8-SI-1221-H-4	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV147 Accept		
708450	6-SI-1210-A-1	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results			
	2002BV116 Accept		
716100	2-SI-1212-S-1	COMPONENT SUPPORT, B-MULTI DIR	
Exam Results:			
	2002BV007 Accept		
716150	2-SI-1212-S-2	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV008 Accept		
716200	2-SI-1212-S-3	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV010 Accept		
716250	2-SI-1212-S-4	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV009 Accept		
716350	2-SI-1215-S-1	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV003 Accept		
716500	2-SI-1215-S-4	COMPONENT SUPPORT; B-MULTI DIR	
Exam Results:			
	2002BV006 Accept		

ATTACHMENT 1

Inservice Inspection Report

3-1-2

1. Owner: Constellation Energy, P.O Box 1475, Baltimore, MD 21203
2. Plant: Calvert Cliffs Nuclear Power Plant, 1650 Calvert Cliffs Pk, Lusby, MD 20657
3. Plant Unit: 1
4. Owner Certificate of Authorization(If Req) N/A
5. Commercial Service Date. 5/08/1975
6. National Board Number for Unit. 20911

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

Exam Results:

2002BV099 Accept

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

Exam Results

2002BV011 Accept

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

Exam Results

2002BV113 Accept

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

Exam Results

2002BV014 Accept

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

Exam Results:

2002BV131 Accept

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

Exam Results

2002BV132 Accept

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

Exam Results:

2002BV004 Accept

ENCLOSURE (2)

ASME BOILER & PRESSURE VESSEL CODE

SECTION XI, FORM NIS-2

Calvert Cliffs Nuclear Power Plant
September 17, 2002

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

MWO No.	R&R Number	UEI	Class	Review Date
1199701954	98-1-186	1CKVSI-217	One	7/12/2002
1200001584	2000-1-077a	1CKVCVC-185	One	8/12/2002
1200001460	2000-1-104	1CV100E	One	8/8/2002
1200005063	2001-1-010	1CV618	One	7/19/2002
1200005064	2001-1-011	1CV628	One	7/19/2002
1200004019	2001-1-012	1CV638	One	7/19/2002
1200005065	2001-1-013	1CV648	One	7/19/2002
1200101169	2001-1-017	1RV469	One	7/17/2002
0199902341	2001-1-027	1#EB6-1008,R5 & H30	Two	7/15/2002
1200002465	2001-1-028	1HVMS-101	Two	7/19/2002
1199900767	2001-1-031a	1HVSI-425	Two	8/8/2002
1199900767	2001-1-031b	1#DC2-1003	Two	8/8/2002
1200103259	2001-1-042	1PUMPRC11A(s)	One	7/31/2002
1200002904	2001-1-047	1#GC5-1008	Two	7/17/2002
1200003521	2001-1-049	1PUMPRC11B(s)	One	8/15/2002
1200003048	2001-1-054	1HVRC-1180	One	7/19/2002
1200104120	2001-1-056	1#GC7-1003	Two	6/26/2002
1200001173	2001-1-059a	1#EB-12	Two	8/9/2002
1200001173	2001-1-059b	1#EB-12	Two	8/8/2002
1200103157	2001-1-060	1#CC5-1003,A7	One	7/16/2002
1200003361	2001-1-064a	1HVSI-709	One	8/9/2002
1200003361	2001-1-064b	1HVSI-710	One	8/9/2002
1200003361	2001-1-064c	1#CC14-1004	One	7/19/2002
1200100808	2001-1-069	1CV3938	Two	7/15/2002
1200100809	2001-1-070	1CV3939	Two	7/12/2002
1200103303	2001-1-072	1CKVFW-130	Two	7/18/2002
1200101396	2001-1-075	1RV200	One	7/18/2002
1200101398	2001-1-076	1RV201	One	7/18/2002
1200101781	2001-1-077	1PZVRX11	One	7/18/2002
1200000999	2001-1-079	1CKVSI-114	Two	7/31/2002
1200000998	2001-1-080	1CKVSI-124	Two	7/12/2002
1200000997	2001-1-081	1CKVSI-144	Two	7/17/2002
1199802485	2001-1-082	1CKVSI-227	One	7/17/2002
1200103149	2001-1-083	1CKVSI-237	One	7/17/2002
1200103150	2001-1-084	1CKVSI-247	One	7/15/2002
1200002340	2002-1-002a	1CKVCVC-186	One	7/25/2002
1200002340	2002-1-002b	1#CC5-1004	One	7/19/2002
1200200048	2002-1-003	1#EB6-1007	Two	7/16/2002
1199804734	2002-1-009	1CKVFW-133	Two	8/8/2002
1200201261	2002-1-017	1SYS083	Two	7/19/2002
1200001375	2002-1-019a	1MOV4145	Two	8/8/2002
1200001375	2002-1-019c	1#HC3-1001,H13/R12	Two	8/8/2002
1200201762	2002-1-024	1CV4150	Two	7/18/2002
S199601526	SG-1-001a	1HXRC11	One & Two	8/5/2002
S199601526	SG-1-001b	1#CC-1	One	8/1/2002
S199601526	SG-1-001c	1#DB-1/EB-1, -5 & -6	Two	8/1/2002
S199601526	SG-1-001d	1#CC-9, 1" & under	One	8/1/2002
S199601526	SG-1-001e	1HXRC11SUP	One & Two	8/1/2002
S199601526	SG-1-002a	1HXRC12	One & Two	8/1/2002
S199601526	SG-1-002b	1#CC-1	One	8/1/2002
S199601526	SG-1-002c	1#DB-1/EB-1, -5 & -6	Two	8/2/2002
S199601526	SG-1-002d	1#CC-9, 1" & under	One	8/1/2002
S199601526	SG-1-002e	1HXRC12SUP	One & Two	8/1/2002
S199601526	SG-1-003	1#CC-9, 1" & under	One	8/1/2002
SNUB POOL	SNUB-0-002	*Snubber Pool	1, 2, & 3	6/21/2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) — Date: 7/15/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) — R&R No. 98-1-186, MWO No. 1199701954 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	SN: 0039	N/A	#11A Reactor Coolant Loop Safety Injection Inlet Check Valve	1975	Repaired/Replaced	No
Disc	Velan Valve Corporation	404387 SN: 7557	N/A	Disc, Velan, 12 in. 1500 lb. Check Valve, ASME SA-182, Tp. F316, Drwg. 12124-0001, Item #3	2002	Replacement	No

7. Description of Work:

This plan was for rebuilding 1-CKVSI-217, and replacing valve disc.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H Ballard, Engineering Technician
Owner or Owner's Designee, Title

Date: 7/15/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-11-02 to 6-26-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W Lawrence
Inspector's Signature

Commissions: NB8226 ANI MD 644
National Board, State, and Endorsements

Date August 9, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/12/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-1-077a, MWO No. 1200001584 (P.O no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Bechtel	2091-N1	N/A	#11 Regen. Heat Exch. Check Valve to #11 Pressurizer Aux. Spray	1975	Repaired/Replaced	Yes
Valve	Velan Engineering Co.	90585-GX SN: 951037-2	N/A	Valve, Check, 2 in. SA-182, Tp F316, 2680 lb.,Socketweld, Velan Dwg 12968-0138	1994	Replacement	No

7. Description of Work:

This plan was for the work that replaced 1-CKVCVC-185, #11 Regenerative Heat Exchanger Check Valve to #11 Pressurizer Auxiliary Spray.

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/12/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-13-02 to 8-5-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date August 15, 2002

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

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

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

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
951037-1	N/A	H/C: CH	H/C: 1ARA	H/C: 2072
951037-2		"	"	"
951037-3		"	"	"

Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

Certificate Holder's Serial No. 951037

8. Design conditions 6430 (pressure) psi 100 (temperature) °F or valve pressure class 2680 (1)

9. Cold working pressure 6430 psi at 100°F

10. Hydrostatic test 10050 psi. Disk differential test pressure 7375 psi

11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
N Certificate of Authorization No. N-2797-1 Expires MAY 2,98

Date MAY 2 6 1995 Name VELAN INC. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by PROVINCE of QUEBEC have inspected the pump, or valve, described in this Data Report on 95-10-4, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 95-05-26 signed (Authorized Inspector) Commissions (11) (Nat'l. Bd. (incl. endorsments) and state or prov. and no.)

(1) For manually operated valves only.

RAYMOND LAUZON (11)
RÉGIE DU BATIMENT DU QUÉBEC

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2000-1-104, MWO No. 1200001460 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	ITT Hammel Dahl	69-4126-001	N/A	# 11A Pressurizer Spray Control Valve	1975	Repaired/Replaced	No
Bonnet	Flowserve Corporation	400322 SN; D909A-1-2	N/A	Bonnet, Bellows, 3 in. 1500 lb. ITT Hammel-Dahl Angle Valve, Drwg. #12121-0006, Item #2	2000	Replacement	No
Pipe Cap	DuBose National Energy Services Inc.	10486-GX Heat Code: HTK	N/A	Cap, Pipe, 1/2 in., 3000 lb. SW, ASME SA-182, Tp. 316	1996	Replacement	No
Plug	Neles Jamesbury	82350-GX Ht. #B7722H	N/A	Plug for 3 in. 1500 lb. ITT Hammel-Dahl Angle Valve, Drwg. #12121-0006, Item #6	1993	Replacement	No

7. Description of Work:

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

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/8/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 12-17-01 to 7-16-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W. Lawrence (Inspector's Signature) Commissions: NB8226ANI, MD647 (National Board, State, and Endorsements)

Date: August 9, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-010, MWO No. 1200005063 (P.O. no , job no., etc.)

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

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

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

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

5.(a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	H5624	N/A	#11A Safety Injection Tank, Reactor Safeguards Check Valve leakage drain CV to R.W.T.	1974	Repaired/Replaced	No
Plug Assembly	Flowserve Corporation	400322 Ht.#: 724770	N/A	Plug & Stem Ass. 1 in. 1500 lb. ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, Item #6	2000	Replacement	No

7. Description of Work:
This plan was for the rebuilding of 1-CV-618, #11A Safety Injection Tank, Reactor Safeguards Check Valve leakage drain to R.W.T.

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/19/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 12-10-01 to 5-29-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 25, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-011, MWO No. 1200005064 (P.O no , job no , etc)

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

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

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

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

5.(a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	SN: 83839D1A004	N/A	#11B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain CV to R.W.T.	1974	Repaired/Replaced	No
Plug Assembly	Flowserve Corporation	400322 Ht.#: 724770	N/A	Plug & Stem Ass. 1 In. 1500 lb. ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, Item #6	2000	Replacement	No

7. Description of Work:

This plan was for the rebuilding of 1-CV-628, #11B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain to R.W.T.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/19/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 12-10-01 to 5-29-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W. Lawrence Commissions: NB 3226 ANI, MD 647
Inspector's Signature National Board, State, and Endorsements

Date: July 25, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-012, MWO No. 1200004019 (P.O no., job no., etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	SN: 83839-005	N/A	#12A Safety Injection Tank, Reactor Safeguards Check Valve leakage drain CV to R.W.T.	1974	Repaired/Replaced	No
Plug Assembly	Flowserve Corporation	400322 Ht.#: 724770	N/A	Plug & Stem Ass. 1 in. 1500 lb. ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, Item #6	2000	Replacement	No

7. Description of Work:

This plan was for the rebuilding of the #12A Safety Injection Tank, Reactor Safeguards Check Valve leakage drain 1-CV-638 to R.W.T.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/19/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 12-10-01 to 5-29-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 25, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-013, MWO No. 1200005065 (P O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, CCases N-2, N-10

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	ITT Hammel-Dahl	1-CV-648	N/A	#12B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain CV to R.W.T.	1974	Repaired/Replaced	No
Plug Assembly	Flowserve Corporation	400322 Ht.#: 724770	N/A	Plug & Stem Ass. 1 in. 1500 lb. ITT Hammel-Dahl Unbalanced Globe Valve, Drwg. #12121-0013, Item #6	2000	Replacement	No

7. Description of Work:

This plan was for the rebuilding of 1-CV-648, #12B Safety Injection Tank, Reactor Safeguards Check Valve leakage drain to R.W.T.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/19/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 12-10-01 to 5-29-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 25, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/17/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-017, MWO No. 1200101169 (P.O. no , job no., etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5.(a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1971 Edition, Class One

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Crosby Valve & Gage Co.	SN: N55296-01-0032	N/A	Shutdown Cooling Containment Side Return Header Relief Valve	1973	Repaired/Replaced	Yes
Valve, Relief	BGE CCNPP Shops	1199804699 SN: N55296-01-0009	N/A	Valve, Relief, Nozzle Type, 3/4 in. X 1 in., Style JR-WR-S Type B, Item on Drwg.#12791-0007. Unit#1	2000	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-RV-469 which is the Shutdown Cooling Containment Side Return Header Relief Valve.

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

Pressure: 4 psi. Test Temperature: 83 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/17/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 6-1-01 to 6-25-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 17, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/15/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-027, MWO No. 0199902341 (P.O no , job no , etc)

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

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

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

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

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, 1972 Add

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	1#EB-6-1008,R5 & H30	N/A	#12 Steam Generator Bottom Blowdown Piping	1975	Repaired/Replaced	No

7. Description of Work:

This Repair Plan was for the work that was required to correct a problem that was dicovered between an as built and an as analyzed state of 2"EB-6-1008, which is the #12 Steam Generator Bottom Blowdown Piping. Because of these findings, it was necessary for the supports at location 30 and location 5 be corrected to match design doc.FSK-MP-0655 REV. 10.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/15/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 8-10-01 to 6-15-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-028, MWO No. 1200002465 (P.O. no , job no , etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	1268	N/A	#11 Steam Generator Atmospheric Dump Manual Isolation Valve	1975	Repaired/Replaced	No

7. Description of Work:

This plan was for the repair work to the steam cuts that were on the sealing surfaces of the bonnet of 1-HVMS-101, #11 Steam Generator Atmospheric Dump Manual Isolation Valve.

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

Pressure: 880 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/19/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 8-10-01 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 24 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-031a, MWO No. 1199900767 (P.O. no , job no , etc)

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

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

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

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1989 Edition, Class One

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	1568	N/A	#13 HPSI Pump Mini Flow Isolation Valve	1991	Repaired/Replaced	Yes
Globe valve	Velan Engineering Co.	90585-GX SN: 941143-2	N/A	Valve, Globe, 2 in, 1690 lb., ASME SA-182 Tp. F316, per Drawing 12968-0134, item 129.	1994	Replacement	Yes

7. Description of Work:
This plan is for the replacement of 1-HVSI 425, #13 HPSI Pump Mini Flow Isolation Valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure: Inservice ☐ Leakage ☑ Functional ☐
Pressure: 1300 psi. Test Temperature: 82 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/8/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 10-24-01 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 9, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-031b, MWO No. 1199900767 (P.O. no., job no , etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"DC-2-1003	N/A	#13 HPSI Pump Mini Flow piping	1975	Repaired/Replaced	No
Pipe	Sandvik Steel Inc.	F-5630 Heat #496481	N/A	Pipe, 2 in. Sch. 80, Stainless Steel, SA-376, TP-304	1977	Replacement	No
Reducing Insert	DuBose National Energy Services Inc.	54906-GX Heat Code: FTY	N/A	Reducer Insert, 2 in. X 1 in., 3000lb, Socketweld, SA-182, F304	1992	Replacement	No
Coupling	DuBose National Energy Services Inc.	54906-GX Heat Code: FUY	N/A	Coupling, 2 in., 3000 lb.,ASME SA-182, Tp. F304, Socketweld	1992	Replacement	No

7. Description of Work:

This plan was for the support work and material needed to replace 1-HVSI 425, #13 HPSI Pump Mini Flow Isolation Valve.

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

Pressure: 1300 psi. Test Temperature: 82 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard — Owner or Owner's Designee, Title: Charles H. Ballard, Engineering Technician Date: 8/8/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 10-24-01 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W Lawrence — Inspector's Signature

Commissions: NB 8226 ANI, MD647 — National Board, State, and Endorsements

Date August 9 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/31/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-042, MWO No. 1200103259 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	1C866	NB 1238	#11A Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	1199700104 SN: 1C872	NB 1239	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2000	Replacement	Yes

7. Description of Work:

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

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/31/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 8-14-01 to 7-19-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/17/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-047, MWO No. 1200002904 (P.O no , job no , etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"GC5-1008	N/A	Shutdown Cooling Header Vent Assembly	1975	Repaired/Replaced	No
Pipe	Energy & Process Corporation	99883-GX Ht# 438523	N/A	Pipe, 2 in. Sch.40, ASME SA-376, TP-304	1995	Replacement	No
Reducer, 2" X 3/4"	DuBose National Energy Services Inc.	54906-GX Ht# FNJ	N/A	Reducer, Insert, 2" X 3/4", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11	1992	Replacement	No
Tee, 2", SA-182	DuBose National Energy Services Inc.	54906-GX Ht# NN	N/A	Tee, 2", ASME SA-182, F304, Socket Weld, #3000, Class 1, ANSI B16.11	1992	Replacement	No

7. Description of Work:

This plan was for the installation of a new Shutdown Cooling Header Vent/Valve Assembly on the 2" GC-5-1008.

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

Pressure: 102 psi. Test Temperature: 98 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date. 7/17/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 10-1-01 to 6-19-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date August 9, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/15/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-049, MWO No. 1200003521 (P.O. no., job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
RCP Seal	Sulzer Bingham Inc.	1C863	NB 1249	#11B Reactor Coolant Pump Mechanical Seal.	1988	Repaired/Replaced	Yes
Seal	BGE CCNPP Shops	0199602107 SN: 1C870	N/A	Seal, Cartridge Assembly (RCP) 875B-3V Complete Sulzer Bingham per FCR 87-0074	2001	Replacement	Yes

7. Description of Work:

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

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 8/15/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 9-20-01 to 7-16-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 15, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-054, MWO No. 1200003048 (P.O. no., job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5.(a) Applicable Construction Code and Class: Bechtel Spec 6750-M-285A Small Stainless Steel Instrument Gate, Globe & Check Valves

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Whitey Research Tool Co.	1-HVRC-1180 & 1181	N/A	First Drain Valve off of 1-LT-110X, wet side of #11 Pressurizer	1975	Repaired/Replaced	No
Whitey Globe Valve	Baltimore Valve & Fitting Co.	400172	N/A	Valve, Globe, 3/4 in. Whitey MK 2100, ASTM A479 Tp 316, P/N: 12NBS12GLESHW20W22, Swagelok Comp. Ends	2001	Replacement	No

7. Description of Work:

This plan was for the replacement of 1-HVRC-1180 and 1-HVRC-1181, drain valves off of the wet side of #11 Pressurizer Instrument 1-LT-110X.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/19/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 10-3-01 to 6-19-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 24, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/26/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-056, MWO No. 1200104120 (P.O. no., job no , etc.)

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

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

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2" GC-7-1003	N/A	#11 Containment Spray Pump Recirc. to refueling water tank	1975	Repaired/Replaced	No
Nut	DuBose National Energy Services Inc.	404338	N/A	Nut, Heavy Hex, 5/8 in. X 11 TPI, SA-194 Gr. 2H	2001	Replacement	No
Rod	Cardinal Ind. Products	88627-GX	N/A	Rod, Allthread, 5/8 in. X 11 TPI, SA-193 Gr. B7	1994	Replacement	No

7. Description of Work:

This plan was for the replacement of fastener material for 1-FO-4146, which is the mini flow for #11 Containment Spray Pump.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 6/26/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 10-1-01 to 6-6-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 18, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/9/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-059a, MWO No. 1200001173 (P.O. no , job no , etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1-DR-5	N/A	Main Steam Piping and Drains between liner plate and MSIV's	1975	Repaired/Replaced	No
Elbow	DuBose National Energy Services Inc.	400430 Ht. Code: 75187	N/A	Elbow, Pipe, 2 in. 90 deg. 3000 lb. ASME SA-105	2001	Replacement	No
Pipe	Energy & Process Corporation	99883-GX Ht. #: 40007	N/A	Pipe, 2 in. Sch. 80, ASME SA-106 Gr. B	1995	Replacement	No
Coupling	DuBose National Energy Services Inc.	54906-GX Ht Code: 026D & 073C	N/A	Coupling, 1-1/2 in., 3000 Lb., ASME SA-105, Socket Weld	1992	Replacement	No
Half Coupling	Consolidated Power Supply	87523-GX Ht. Code: 088F	N/A	Coupling Half, 2 in., 3000 lb., ASME SA-105, Socket Weld	1994	Replacement	No
Pipe	Tioga Pipe Supply Co. Inc.	404716 Ht. #: A02824	N/A	Pipe, 4 in. Sch. 40, Carbon Steel, ASME SA-106 Grade B	2001	Replacement	No
Pipe Cap	Tioga Pipe Supply Co. Inc.	404716 Ht#: LS4HA	N/A	Cap, Pipe, 4 in., Sch. 40, Buttweld, ASME SA-234, Gr. WPB	2001	Replacement	No

7. Description of Work:

This plan was for the replacement of 1-DR-5, which is the last drain pot that comes off upstream of #12 MSIV. The drain pot UEI is 4"EB-12-1023 and the piping to 1-MOV-6611 is 2"EB-12-1024.

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

Pressure: 886 psi. Test Temperature: 529 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/9/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 11-8-01 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-059b, MWO No. 1200001173 (P.O no., job no, etc.)

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

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

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1-DR-6	N/A	Main Steam Piping and Drains between liner plate and MSIV's	1975	Repaired/Replaced	No
Elbow	DuBose National Energy Services Inc.	400430 Ht. Code: 75187	N/A	Elbow, Pipe, 2 in. 90 deg. 3000 lb. ASME SA-105	2001	Replacement	No
Pipe	Energy & Process Corporation	99883-GX Ht. #: 40007	N/A	Pipe, 2 in. Sch. 80, ASME SA-106 Gr. B	1995	Replacement	No
Coupling	DuBose National Energy Services Inc.	54906-GX Ht Code: 026D & 073C	N/A	Coupling, 1-1/2 in., 3000 Lb., ASME SA-105, Socket Weld	1992	Replacement	No
Half Coupling	Consolidated Power Supply	87523-GX Ht. Code: 088F	N/A	Coupling Half, 2 in., 3000 lb., ASME SA-105, Socket Weld	1994	Replacement	No
Pipe	Tioga Pipe Supply Co. Inc.	404716 Ht. #: A02824	N/A	Pipe, 4 in. Sch. 40, Carbon Steel, ASME SA-106 Grade B	2001	Replacement	No
Pipe Cap	Tioga Pipe Supply Co. Inc.	404716 Ht#: LS4HA	N/A	Cap, Pipe, 4 in., Sch. 40, Buttweld, ASME SA-234, Gr. WPB	2001	Replacement	No

7. Description of Work:

This plan was for the replacement of 1-DR-6, which is the last drain pot that comes off upstream of #11 MSIV. The drain pot UEI is 4"EB-12-1029 and the piping to 1-MOV-6612 is 2"EB-12-1030.

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

Pressure: 886 psi. Test Temperature: 529 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 8/8/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 11-8-01 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/16/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-060, MWO No. 1200103157 (P.O. no., job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	2"CC-5-1003,A7	N/A	Anchor separating the Main and Aux. Spray piping systems for #11 Pressurizer	1975	Repaired/Replaced	No
Plate	DuBose National Energy Services Inc.	400428 Ht. #: 1008823	N/A	Plate, Steel 3/8 In. ASME SA-36	2001	Replacement	No
Plate	DuBose National Energy Services Inc.	400428 Ht. #: D04009	N/A	Plate, Steel, 3/4 In. ASME SA-36	2001	Replacement	No
Nut	Allied Nut & Bolt Co. Inc.	18426-GX Ht. Code: 214	N/A	Nut, Heavy Hex, 1/2 In. X 13 TPI, SA-194 Gr. 2H	1996	Replacement	No
Tube Steel	DuBose National Energy Services Inc.	34557 Ht. Code: B37679	N/A	Tube Steel, Square, 4 In. X 4 In. X 1/4 In.; ASTM A-500 Grade B	1999	Replacement	No
Pipe Clamp	Grinnell Corporation	79546-GX Ht. # K5105	N/A	Clamp, Pipe Anchor, 2 In. for PG-41 / PG-43, per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 1.	1993	Replacement	No
Pipe Clamp Base	Grinnell Corporation	47477LNP	N/A	Clamp, Pipe Anchor Base, 2 In. for PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	1994	Replacement	No
Bolt	Cardinal Ind. Products	88627-GX	N/A	Bolt, Heavy Hex. Head, 1/2 In. X 2 In. X 13 TPI, ASME SA-193, Gr. B7	1994	Replacement	No
Plate	DuBose National Energy Services Inc.	400428 Ht.# M06240	N/A	Plate, Steel, 1 In. ASME SA-36	2001	Replacement	No

7. Description of Work:

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

FORM NIS-2 (Back)

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

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

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

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Type Code Symbol Stamp: N/A

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/16/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 11-5-01 to 6-13-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 31 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/9/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-064a, MWO No. 1200003361 (P O. no ,job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1989 Edition, Class One

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	BG & E	1-HVSI-709	N/A	Shutdown Cooling Header First Isolation Drain Valve	2001	Repaired/Replaced	Yes
Gate Valve	Framatome ANP Inc.	400425 SN:001024-19	N/A	Valve, Gate, 3/4 in, 1690 lb., ASME SA-182 Tp. F316, per Drawing 12968-0132, item 116.	2001	Replacement	Yes

7. Description of Work:

This plan was for the modification to install a new drain valve, 1-HVSI-709, on the Shutdown Cooling piping, 14"CC-14-1004.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H Ballard, Engineering Technician — Owner or Owner's Designee, Title — Date: 8/9/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 12-10-01 to 8-9-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 9 2002

DATA PACKAGE NO. 001024

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

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

1. Manufactured and certified by VELAN INC. 2125 WARD AVE,MONTREAL.QUEBEC CANADA H4M1T6
(name and address of N Certificate Holder)
2. Manufactured for FRAMATOME TECHNOLOGIES 3315-A OLD FOREST RD.LYNCHBURG,VA.USA 24501
(name and address of purchaser)
3. Location of installion N/A
(name and address)
4. Model No., Series No., or Type: GATE Drawing P1-76800-N22 Rev H CRN N/A
5. ASME Code, Section III, Division 1: 1989 (edition) NONE (addenda date) 1 (class) N/A (Code Case no.)
6. Pump or valve VALVE Nominal inlet size ¾ (in.) Outlet size ¾ (in.)
7. Material: Body, SA-182,F316 Bonnet SA-182,F316 Disk SA-351,CF8M Bolting SA-194.8M SA-564,630H1100

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
001024-1	N/A	H/C:A-SV	H/C: FLF	H/C: TT
001024-2		A-SV	FLF	TT
001024-3		A-SV	HBM	TT
001024-4		B-EB	HBM	TT
001024-5		A-TV	FLF	TT
001024-6		A-TV	HBM	TT
001024-7		A-TV	FLF	TT
001024-8		A-TV	EEO	TT
001024-9		A-TV	FLF	TT
001024-10		JAI	HBM	TT
001024-11		JAI	HBM	TT
001024-12		JAI	HBM	TT
001024-13		JAI	HBM	TT
001024-14		JAI	EEO	TT
001024-15		JAI	FLF	TT
001024-16		JAI	HBM	TT
001024-17		JAI	HBM	TT
001024-18		JAI	HBM	TT
001024-19		JAI	FLF	TT
001024-20		JAI	FLF	TT
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Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

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

Certificate Holder's Serial No. 001024

8. Design conditions 4055 psi (pressure) 100 °F (temperature) or valve pressure class 1690 (1)

9. Cold working pressure 4055 psi at 100°F

10. Hydrostatic test 6350 psi. Disk differential test pressure 4650 psi

11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
N Certificate of Authorization No. N-2797-1 Expires MAY 2,2001

Date SEP 26 2000 Name VELAN INC. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have inspected the pump, or valve, described in this Data Report on September 28/2000 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 00/09/28 signed (Authorized Inspector) Commissions QUEBEC (Nat'L Bd. (incl. state or prov. and no.)) J. MARCHAND QC # 8714 REGIE DU BATIMENT DU QUEBEC

(1) For manually operated valves only.

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PAGE 4 OF 31

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/9/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-064b, MWO No. 1200003361 (P.O no, job no, etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5.(a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1989 Edition, Class One

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	BG & E	1-HVSI-710	N/A	Shutdown Cooling Header Second Isolation Drain Valve	2001	Repaired/Replaced	Yes
Gate Valve	Framatome ANP Inc.	400425 SN: 001024-20	N/A	Valve, Gate, 3/4 in, 1690 lb., ASME SA-182 Tp. F316, per Drawing 12968-0132, item 116.	2001	Replacement	Yes

7. Description of Work:

This plan was for the modification to install a new drain valve, 1-HVSI-710, on the Shutdown Cooling piping, 14"CC-14-1004.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed. Charles H Ballard, Engineering Technician Date: 8/9/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 12-10-01 to 8-9-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 9, 2002

DATA PACKAGE NO. 001024

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

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

1. Manufactured and certified by VELAN INC. 2125 WARD AVE, MONTREAL, QUEBEC CANADA H4M1T6
(name and address of N Certificate Holder)

2. Manufactured for FRAMATOME TECHNOLOGIES 3315-A OLD FOREST RD. LYNCHBURG, VA. USA 24501
(name and address of purchaser)

3. Location of installion N/A
(name and address)

4. Model No., Series No., or Type: GATE Drawing P1-76800-N22 Rev H CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) NONE (addenda date) 1 (class) N/A (Code Case no.)

6. Pump or valve VALVE Nominal inlet size ¾ (in.) Outlet size ¾ (in.)

7. Material: Body, SA-182, F316 Bonnet SA-182, F316 Disk SA-351, CF8M Bolting SA-194, 8M SA-564, 630H1100

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
001024-1	N/A	H/C:A-SV	H/C: FLF	H/C: TT
001024-2		A-SV	FLF	TT
001024-3		A-SV	HBM	TT
001024-4		B-EB	HBM	TT
001024-5		A-TV	FLF	TT
001024-6		A-TV	HBM	TT
001024-7		A-TV	FLF	TT
001024-8		A-TV	EEO	TT
001024-9		A-TV	FLF	TT
001024-10		JAI	HBM	TT
001024-11		JAI	HBM	TT
001024-12		JAI	HBM	TT
001024-13		JAI	HBM	TT
001024-14		JAI	EEO	TT
001024-15		JAI	FLF	TT
001024-16		JAI	HBM	TT
001024-17		JAI	HBM	TT
001024-18		JAI	HBM	TT
001024-19		JAI	FLF	TT
001024-20		JAI	FLF	TT
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Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

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

Certificate Holder's Serial No. 001024

8. Design conditions 4055 (pressure) psi 100 (temperature) °F or valve pressure class 1690 (1)

9. Cold working pressure 4055 psi at 100°F

10. Hydrostatic test 6350 psi. Disk differential test pressure 4650 psi

11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
N Certificate of Authorization No. N-2797-1 Expires MAY 2,2001

Date SEP 28 2000 Name VELAN INC. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have inspected the pump, or valve, described in this Data Report on September 28/2000 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 00/09/28 signed (Authorized Inspector) Commissions QUEBEC (Nat'l Bd. (incl. state or prov. and no.)) J. MARCHAND QC # 8714 REGIE DU BATIMENT DU QUEBEC (K1)

(1) For manually operated valves only.

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-064c, MWO No. 1200003361 (P.O no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	CC14-1004	N/A	Shutdown Cooling Piping Through Containment to Isolation Valves	1975	Repaired/Replaced	No
Pipe	Tioga Pipe Supply Co. Inc.	404796 Ht. #A30014	N/A	Pipe, 3/4 in. Sch 80, ASME SA-376, TP-316	2001	Replacement	No
Nut	Allied Group	23106 Trace Code: Q58	N/A	Nut, Heavy Hex, 3/8 in. X 16 TPI, ASME SA-194 Gr. 2H	1998	Replacement	No
Half Coupling	Tioga Pipe Supply Co. Inc.	20441-GX Heat Code: EEH	N/A	Coupling, Half, 3/4 in, 3000 Lb., ASME SA-182, Tp. F316, Socket Weld	1991	Replacement	No
Anchor Clamp	Grinnell Corporation	85611-GX Heat Code: PL084	N/A	Clamp, Anchor, 3/4 in. Part# 1 of PG-41/42/43 on Drwg.# FSK-MP-0571SH0003, 0005 & 0006	1993	Replacement	No
Base Clamp	Grinnell Corporation	54500-GX Heat Code: PL-097	N/A	Clamp, Restraint Base, 3/4 in. Part# 5 of PG-41/43 on Drwg.# FSK-MP-0571SH 0005	1991	Replacement	No
Bolt	Allied Group	41695 Ht. #: 63888	N/A	Bolt, Hex. Head, 3/8 in. X 1 1/4 in. X 16 TPI, ASME SA-193, Gr. B7	2001	Replacement	No
Tube Steel	DuBose National Energy Services Inc.	400428 Ht.#: 843D68110	N/A	Tube, Steel, 2 in. X 2 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No
Pipe Clamp	Anvil International Inc.	404967	N/A	Clamp, Pipe, 14 in., Medium, Grinnell Fig. 212N, with Bolting	2001	Replacement	No
Tube Steel	DuBose National Energy Services Inc.	400428 Ht.# GF0413	N/A	Tube, Steel, 3 in. X 3 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No

7. Description of Work:

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

FORM NIS-2 (Back)

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

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

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

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

Type Code Symbol Stamp: N/A

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

Signed: Charles H. Ballard, Engineering Technician — Owner or Owner's Designee, Title Date: 7/19/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 12-10-01 to 8-9-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W. Lawrence — Inspector's Signature

Commissions: NB 8226 AWI, MD 647 — National Board, State, and Endorsements

Date: August 9, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/15/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-069, MWO No. 1200100808 (P.O no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Copes Vulcan Inc.	7010-95030-1-1	N/A	#11 Main Steam Header Atmospheric Dump Valve	1975	Repaired/Replaced	No
Plug Assembly	Copes-Vulcan Inc.	402259 SN: 01-1	N/A	Trim, Plug Ass., Valve, 5 inch, 600lb., press. retaining parts; Plug, #145380, Inner Plug #145381	2002	Replacement	No

7. Description of Work:

This plan was for rebuilding 1-CV-3938, Atmospheric dump Valve.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/15/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-8-02 to 6-18-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/12/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-070, MWO No. 1200100809 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Copes Vulcan Inc.	7010-95030-1-2	N/A	#12 Main Steam Header Atmospheric Dump Valve	1975	Repaired/Replaced	No
Plug Assembly	Copes-Vulcan Inc.	402259 SN: 01-2	N/A	Trim, Plug Ass., Valve, 5 inch, 600lb., press. retaining parts; Plug, #145380, Inner Plug #145381	2002	Replacement	No

7. Description of Work:

This plan was for the rebuilding of 1-CV-3939, Atmospheric dump Valve.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician — Owner or Owner's Designee, Title — Date: 7/12/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-8-02 to 6-18-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W Lawrence — Inspector's Signature

Commissions: NB8226 ANI, MD647 — National Board, State, and Endorsements

Date: August 15, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/18/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-072, MWO No. 1200103303 (P O. no , job no , etc)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5.(a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, 1972 Add

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Rockwell International	SN: E5711-28	N/A	#12 Steam Generator Feedwater Supply Check Valve	1975	Repaired/Replaced	No
Screw	Edward Valves Inc.	400813 Heat Code: 1031	N/A	Screw, Hvy Hex Hd,16 In. Check Valve, Edwards Fig. 970Y, A-193 Gr. B7,Drwg.12399-0002/0022 Item #12	2000	Replacement	No
Retainer	Edward Valves Inc.	12001 SN: 26970-3	N/A	Retainer, Hinge Pin,16 In. Check Valve, Edwards Fig. 970Y, SA-182, Gr. F11, Drwg.12399-0022 Item #13	1997	Replacement	No
Cover	Edward Vogt Valve Co.	405740 Heat Code: 72355	N/A	Cover, Pressure Seal, 16 In. Check Valve, A-216, Gr .WCB or SA-182, Gr. F11, Drwg.12399-0022 Item #3	2002	Replacement	No

7. Description of Work:

This plan was for the work that was performed to 1-CKVFW-130, #12 Steam Generator Feedwater Check Valve.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/18/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-8-02 to 6-21-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 30, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/18/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-075, MWO No. 1200101396 (P.O no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BM-07953	N/A	Unit One Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Relief Valve	Dresser Industries Inc.	400078 SN: BN-04373	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 in. Model 31739A, only for RV 200 location.	2001	Replacement	Yes

7. Description of Work:

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

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/18/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 1-15-02 to 7-11-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 31, 2002

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

1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc. (name of organization) 400078 01-27420-0 (P.O. no., job no., etc)
Intersection Hwy. 167 @ 3225 North, Alexandria, Louisiana 71309 (address)

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

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

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

5. a: Repaired pressure relief device: Safety Valve
b: Name of manufacturer Same as item 1 above
c: Identifying nos. 31739A (type) BN-04373 (mfr's serial no.) N/A (Nat'l. Bd. No.) STEAM (service) 2-1/2" (size) 1977 (year built)
d: Construction Code ASME Section III (name/section/division) 1971 (edition) Summer 1972 (addenda) N/A (Code case(s)) 1 (Code Class)

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

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

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

9. Design responsibility Same as item 1 above

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

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

12. Remarks:

CERTIFICATE OF INSPECTION

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

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

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

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

CERTIFICATE OF INSPECTION

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

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

Date 11/6/00 Signed B.C. Doshoe Commissions (National Board (incl. endorsements), and jurisdiction, and no.)

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/18/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-076, MWO No. 1200101398 (P.O no., job no., etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Dresser Industrial Valve Co.	SN: BM-07948	N/A	Unit One Pressurizer Safety Relief Valve	1977	Repaired/Replaced	Yes
Relief Valve	Dresser Industries Inc.	400743 SN: BM-07952	N/A	Valve, Consolidated Closed Bonnet Maxiflow Safety; 2-1/2 In. Model 31739A, only for RV 201 location.	2000	Replacement	Yes

7. Description of Work:

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

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/18/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 1-8-02 to 7-11-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 30, 2002

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

1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc. (name of organization) 400743 01-27388-1 (P.O. no, job no, etc)
Intersection Hwy. 167 @ 3225 North, Alexandria, Louisiana 71309 (address)

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

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

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

5. a: Repaired pressure relief device: Safety Valve
b: Name of manufacturer Same as item 1 above
c: Identifying nos. 31739A (type) BM-07952 (mfr's serial no) N/A (Nat'l Bd. No) STEAM (service) 2-1/2" (size) 1977 (year built)
d: Construction Code ASME Section III (name/section/division) 1971 (edition) Summer 1972 (addenda) N/A (Code case(s)) 1 (Code Class)

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

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

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

9. Design responsibility Same as item 1 above

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

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

12. Remarks:

CERTIFICATE OF INSPECTION

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

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

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

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

CERTIFICATE OF INSPECTION

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

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

Date 11/6/00 Signed B.C. Dasher Commissions LA664 (National Board (incl endorsements), and jurisdiction, and no)

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/18/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-077, MWO No. 1200101781 (P.O. no , job no., etc)

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

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

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	Vessel SN: 67107 Head SN: 67207	20911	Unit One Reactor Vessel and Head	1971	Repaired/Replaced	Yes
Plug	BGE CCNPP Shops	0200101511 405132/ 001 thru 009	N/A	Plug, Incore Detection Seal, Dwg. 12148-03,ASTM-A276, Ty316 SS	2001	Replacement	No

7. Description of Work:

This plan was for the installation of dummy stainless steel ICI plug(s) into Unit #1 Reactor Vessel In Core Instrumentation Flanges.

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/18/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 1-4-02 to 7-9-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/31/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-079, MWO No. 1200000999 (P.O. no., job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	SN: P34753-2	N/A	#11A Low Pressure Safety Injection to Reactor Coolant Loop	1975	Repaired/Replaced	No
Nut	Nova Machine Products Corp.	38612 Heat Code: FSD	N/A	Nut, Heavy Hex, 1 1/4 in. X 8 TPI, ASME SA-194 Gr. 7	1999	Replacement	No
Disc	Velan Valve Corporation	405030 SN: 7569	N/A	Disc, Velan, Item No. 3 Dwg. 12124-0002, SA-182 F-316 S.S. for Velan 6"/1500lb. Check Valve	2001	Replacement	No

7. Description of Work:

This plan was for the maintenance work on 1-CKVSI-114, #11A Low Pressure Safety Injection to Reactor Coolant Loop, replace valve disc and nuts.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H Ballard, Engineering Technician
Owner or Owner's Designee, Title

Date: 7/31/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-21-02 to 7-19-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W Lawrence
Inspector's Signature

Commissions: NB8226 ANI, MD647
National Board, State, and Endorsements

Date August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/12/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-080, MWO No. 1200000998 (P.O. no , job no., etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	SN: 0627	N/A	#11B Low Pressure Safety Injection to Reactor Coolant Loop	1975	Repaired/Replaced	Yes
Nut	Nova Machine Products Corp.	38612 Heat Code: FSD	N/A	Nut, Heavy Hex, 1 1/4 in. X 8 TPI, ASME SA-194 Gr. 7	1999	Replacement	No
Rod	Nova Machine Products Corp.	38454 Heat Code: NBW	N/A	Rod, Allthread, 1 1/4 in. X 8 TPI, ASME SA-193 Gr. B7	1999	Replacement	No
Rod	Allied Group	27260 Heat Code: P35	N/A	Rod, Allthread, 1 1/4 in. X 8 TPI, ASME SA-193 Gr. B7	1998	Replacement	No
Disc	Velan Valve Corporation	405030 SN: 7570	N/A	Disc, Velan, Item No. 3 Dwg. 12124-0002, SA-182 F-316 S.S. for Velan 6"/1500lb. Check Valve	2001	Replacement	No

7. Description of Work:

This plan was for rebuilding 1-CKVSI-124, #11B Low Pressure Safety Injection to Reactor Coolant Loop, and replacing valve disc and fasteners.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/12/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-21-02 to 6-19-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 16, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/17/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-081, MWO No. 1200000997 (P.O. no , job no., etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	UEI: 1-CKVSI-144	N/A	#12B Low Pressure Safety Injection to Reactor Coolant Loop	1975	Repaired/Replaced	No
Disc	Velan Valve Corporation	405030 SN:7568	N/A	Disc, Velan, Item No. 3 Dwg. 12124-0002, SA-182 F-316 S.S. for Velan 6"/1500lb. Check Valve	2001	Replacement	No

7. Description of Work:

This plan was for the maintenance work on 1-CKVSI-144, #12B Low Pressure Safety Injection to Reactor Coolant Loop, replace valve disc.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/17/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-21-02 to 6-26-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 17, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/17/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-082, MWO No. 1199802485 (P.O. no., job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	SN: 903234	N/A	#11B Reactor Coolant Loop Safety Injection Inlet Check Valve	1975	Repaired/Replaced	No
Disc	Velan Valve Corporation	404387 SN: 7560	N/A	Disc, Velan, 12 in. 1500 lb. Check Valve, ASME SA-182, Tp. F316, Drwg. 12124-0001, Item #3	2002	Replacement	No

7. Description of Work:

This plan was for the maintenance work on 1-CKVSI-227; replace valve disc.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician
Owner or Owner's Designee, Title

Date: 7/17/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-11-02 to 6-26-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W Lawrence
Inspector's Signature

Commissions: NB 8226 NI, MD647
National Board, State, and Endorsements

Date: July 17, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/17/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-083, MWO No. 1200103149 (P.O no., job no , etc)

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

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

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	SN: 9903234	N/A	#12A Reactor Coolant Loop Safety Injection Inlet Check Valve	1975	Repaired/Replaced	No
Disc	Velan Valve Corporation	404387 SN: 7561	N/A	Disc, Velan, 12 in. 1500 lb. Check Valve, ASME SA-182, Tp. F316, Drwg. 12124-0001, Item #3	2002	Replacement	No
Stud	Velan Engineering Co.	10523-GX Heat Code: F3	N/A	Stud, Cover, 1 7/8 in. X 8 TPI, ASME SA-193 Gr.B7, 12 in. 1500 lb. Check, Drwg. 12124-0001, Item #18	1995	Replacement	No
Nut	Velan Engineering Co.	90247-GX Heat Code: V50	N/A	Nut, Hex, Cover, 1 7/8 in. X 8 TPI, SA-194 Gr7, 12 in., 1500 lb. Check, Drwg. 12124-0001, Item #17	1994	Replacement	No

7. Description of Work:

This plan was to cover maintenance work on 1-CKVSI-237; replace valve disc and bolting.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/17/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-11-02 to 6-24-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 17, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/15/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2001-1-084, MWO No. 1200103150 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Velan Enginnering Co.	1-CKVSI-247	N/A	#12B Reactor Coolant Loop Safety Injection Inlet Check Valve	1975	Repaired/Replaced	No
Disc	Velan Valve Corporation	404387 SN: 7558	N/A	Disc, Velan, 12 in. 1500 lb. Check Valve, ASME SA-182, Tp. F316, Drwg. 12124-0001, Item #3	2002	Replacement	No

7. Description of Work:

This plan was for the replacement of the disc on 1-CKVSI-247, #12B Reactor Coolant Loop Safety Injection Inlet Check Valve.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/15/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-11-02 to 6-26-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 18, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/25/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-002a, MWO No. 1200002340 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Bechtel	SN: 2093	N/A	#11 Regen. Heat Exch. Check Valve to #12B RCS Cold Leg Loop	1975	Repaired/Replaced	Yes
Check Valve	Velan Engineering Co.	L10041NP SN: 961027-1	N/A	Valve, Check, 2 in. 2680 lb.,Butt Weld, ASME SA-182, Tp F316, Velan Dwg 12968-0138	1996	Replacement	Yes

7. Description of Work:

This plan was for the replacement of 1-CKVCVC-186, #11 Regenerative Heat Exchanger Check Valve to #12B Reactor Coolant Loop.

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician Date: 7/25/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-21-02 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 25, 2002

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

1. Manufactured and certified by VELAN INC. 2125 WARD AVE,MONTREAL CANADA H4M1T6
(name and address of N Certificate Holder)
2. Manufactured for BALTIMORE GAS & ELECTRIC P.O. BOX 1472 BALTIMORE, MD. 21203
(name and address of purchaser)
3. Location of installion CALVERT CLIFFS NUCLEAR PLANT NORTH OF LUSBY, MD. 20657
(name and address)
4. Model No., Series No., or Type: PS.CHECK Drawing P1-76800-N28 Rev D CRN N/A
5. ASME Code, Section III, Division 1: 1989 (edition) NONE (addenda date) 1 (class) N/A (Code Case no.)
6. Pump or valve VALVE Nominal inlet size 2" (in.) Outlet size 2" (in.)
7. Material: Body SA-182,F316 Bonnet SA-182,F316 Disk SFA 5.13 RNiCr-A COL.4 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
961027-1	N/A	H/C: B16	H/C: 1ARA	H/C:26A

Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

NOTE. * DWG:P1-76800-N50 REV.0

Certificate Holder's Serial No. 961027

8. Design conditions 6430 (pressure) psi 100 (temperature) °F or valve pressure class 2680 (1)

9. Cold working pressure 6430 psi at 100°F

10. Hydrostatic test 10050 psi. Disk differential test pressure 7375 psi

11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
N Certificate of Authorization No. N-2797-1 Expires MAY 2,98

Date May 3/96 Name VELAN INC. (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by PROVINCE of QUEBEC have inspected the pump, or valve, described in this Data Report on 96/05/03, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 96/05/03 signed [signature] (Authorized Inspector) Commissions BENOIT FRADETTE Gouv. du Québec (Nat'l. Bd. (incl. endorsments) and state or prov. and no.) E1

(1) For manually operated valves only.

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-002b, MWO No. 1200002340 (P.O. no., job no , etc.)

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

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

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"CC-5-1004	N/A	From #11 Regen. Heat Exch. to #12B RCS Cold Leg Loop	1975	Repaired/Replaced	No
Pipe	Consolidated Power Supply	20439 Heat# 447 / XBJ	N/A	Pipe, 2 In. Schedule 160, ASME SA-376 Tp. 316	1998	Replacement	No

7. Description of Work:

This plan was for the replacememt of piping during the replacement of 1-CKVCVC-186.

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

Pressure: 2250 psi. Test Temperature: 530 Deg. F

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed. Charles H. Ballard, Engineering Technician Date: 7/19/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-21-02 to 7-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 25, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/16/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-003, MWO No. 1200200048 (P.O no., job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5.(a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, 1972 Add

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping System	Bechtel	2"EB-6-1007	N/A	#11 Steam Generator Bottom Blowdown to #11 Blowdown Tank	1975	Repaired/Replaced	No
Nut	Mackson Inc.	406241 Ht. #Y67408	N/A	Nut, Heavy Hex, 1/2 in. X 13 TPI, SA-194 Gr. 2H	2002	Replacement	No
Pipe Clamp	Grinnell Corporation	79546-GX Ht. # 5105	N/A	Clamp, Pipe Anchor, 2 in. for PG-41 / PG-43, per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 1.	1993	Replacement	No
Pipe Clamp Base	Grinnell Corporation	47477LNP	N/A	Clamp, Pipe Anchor Base, 2 in. for PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	1994	Replacement	No
Bolt	Cardinal Ind. Products	88627-GX Heat Code: L7 A4	N/A	Bolt, Heavy Hex. Head, 1/2 in. X 2 in. X 13 TPI, ASME SA-193, Gr. B7	1994	Replacement	No
Tube Steel	DuBose National Energy Services Inc.	400428 Heat Code: 13594	N/A	Tube, Steel, 2 in. X 2 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No
Flat Bar	Energy Steel & Supply Co.	402888 Ht. #642767	N/A	Bar, Flat, 4 in. X 1/2 in., ASME SA-36	2001	Replacement	No

7. Description of Work:

This plan was needed to correct the Design deficiencies on Anchor #10 on line 1#EB-6-1007.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 7/16/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-20-02 to 6-13-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 18, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-009; MWO No. 1199804734 (P.O. no., job no., etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, 1972 Add

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Rockwell International	025	N/A	#11 Steam Generator Feedwater Supply Check Valve	1975	Repaired/Replaced	No
Screw	Edward Valves Inc.	400813 Heat Code: 1031	N/A	Screw, Hvy Hex Hd,16 in. Check Valve, Edwards Fig. 970Y, A-193 Gr. B7,Drwg.12399-0002/0022 Item #12	2000	Replacement	No

7. Description of Work:

This plan was to allow the use of the part listed herein to assist in the rebuilding of 1-CKVFW-133, #11 Steam Generator Feedwater Check Valve.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/8/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 3-26-02 to 6-17-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 9, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/19/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-017, MWO No. 1200201261 (P.O. no , job no , etc.)

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

Authorization No.: N/A

Exp Date: N/A

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Pipe Support	BG & E	NA	N/A	Steam generator bottom/surface blowdown gang support.	1975	Repaired/Replaced	No
Plate	DuBose National Energy Services Inc.	400428 Ht.#: 1106933	N/A	Plate, Steel 1/4 in. ASME SA-36	2001	Replacement	No
Plate	DuBose National Energy Services Inc.	400428 Ht.#: 2107091	N/A	Plate, Steel 1/2 in. ASME SA-36	2001	Replacement	No
Plate	DuBose National Energy Services Inc.	400428 Ht.#: D04009	N/A	Plate, Steel, 3/4 in. ASME SA-36	2001	Replacement	No
Tube Steel	DuBose National Energy Services Inc.	34557 Ht.#: B37679	N/A	Tube Steel, Square, 4 in. X 4 in. X 1/4 in.; ASTM A-500 Grade B	1999	Replacement	No

7. Description of Work:

This plan was to add structural steel to modify existing multiple support in accordance with ES199601526-110, ECR 384.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

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

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

Signed: R.E. Cantrell, Sr. Engineer — Owner or Owner's Designee, Title — Date 7/19/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 4-24-02 to 6-15-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W Lawrence — Inspector's Signature

Commissions: NB8226 ANI, MD647 — National Board, State, and Endorsements

Date: July 24, 2002

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

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

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

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

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

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-019a, MWO No. 1200001375 (P.O. no., job no., etc.)

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

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

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

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

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

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

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

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Velan Engineering Co.		N/A	Unit #1 Containment Sump West Recirculation Header Isolation Valve	1975	Repaired/Replaced	Yes
Rod	Mackson Inc.	407499 Heat Code: ATX	N/A	Rod, Allthread, 1 1/4 in. X 8 TPI, ASME SA-193 Gr. B8M, Cls. 2, Strain Hardened	2002	Replacement	No
Nut	Mackson Inc.	407499 Heat Code: ATY	N/A	Nut, Heavy Hex, 1 1/4 in. X 8 TPI, ASME SA-194 Gr. 8M, Strain Hardened	2002	Replacement	No

7. Description of Work:

This plan was to allow for all work, including fastener replacement, to rebuild 1-MOV-4145, Unit #1 Containment Sump West Recirculation Header Isolation Valve.

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

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

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

FORM NIS-2 (Back)

9. Remarks:

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

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician — Owner or Owner's Designee, Title — Date: 8/8/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 4-30-02 to 8-5-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence — Inspector's Signature

Commissions: NB8226 ANI, MD647 — National Board, State, and Endorsements

Date: August 15, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/8/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-019c, MWO No. 1200001375 (P.O. no , job no , etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number 052 System Name: Safety Injection

5. (a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class Two

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Pipe Support	Bechtel	24"HC-3-1001,H13/R12	N/A	Unit #1 Containment Sump West Recirculation Header Support.	1975	Repaired/Replaced	No

7. Description of Work:

This plan was for the work on 24"HC-3-1001, H13 / R12, Unit #1 Containment Sump West Recirculation Header Support. A portion of the support was removed to allow for X-rays of the Encapsulation then reinstalled.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure Inservice ☐ Leakage ☐ Functional ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 8/8/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 5-7-02 to 8-5-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence Commissions: NB 8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: August 15, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 7/18/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. 2002-1-024, MWO No. 1200201762 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number 061 System Name: Containment Spray

5. (a) Applicable Construction Code and Class: ASME Draft Code for Pumps & Valves, 1968 Edition, March 1970 Add; Class Two

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Valve	Masoneilan International Inc.	H-59104-5	N/A	#11 Containment Spray Header Isolation Valve	1975	Repaired/Replaced	No
Valve Plug	Masoneilan Dresser C/O Eastern Controls	41449-GX SN: A12421-6	N/A	Plug, 8 in. Masoneilan Valve, ASTM A-479, Tp. 316, P/N: 013439-010-1N3	1990	Replacement	No

7. Description of Work:

This plan was for rebuilding 1-CV-4150, #11 Containment Spray Header Isolation Valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Inservice ☐ Leakage ☐ Functional ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician — Owner or Owner's Designee, Title — Date: 7/18/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 5-26-02 to 6-21-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence — Inspector's Signature — Commissions: NB 8226 ANI, MD 647 — National Board, State, and Endorsements

Date: July 30, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/5/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-001a, ESP No. ES199601526 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: One & Two

4. Identification of System: System Number 64/83 System Name: Steam Generator Replacement

5. (a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Winter 1967 Add; Class A CCases: 1332-2, 1332-4, 1359-1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE 67504	20922	#11 Steam Generator	1970	Repaired/Replaced	Yes
Steam Generator	Babcock & Wilcock Canada	4621CCNP-21-9000 SN: 7811-01	196	Steam Generator Lower Assembly, Primary Side Head, Tubes and Secondary Shell up to Transition	2001	Replacement	Yes

7. Description of Work:
This plan was for the replacement of the primary side head, tubes, and secondary side shell up to the transition area of #11 Steam Generator. This also documents the reconfiguration of the Feed Nozzle and Surface Blowdown Nozzle.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐
Pressure: 890 psi. Test Temperature: 532 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI VT-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements. A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination, Eddy Current Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to use the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician — Owner or Owner's Designee, Title — Date: 8/5/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 7-10-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence — Inspector's Signature

Commissions: NB 8226 ANI, MD647 — National Board, State, and Endorsements

Date: August 8, 2002

PO#462/CCNP-21-1000

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III

Not to Exceed One Day's Production

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3
(name and address of NPT Certificate Holder)

2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657
(name and address of Purchaser)

3. Location of Installation Calvert Cliffs Nuclear Power Plant (CCNPP) Units 1&2, Lusby, Maryland 20657-4702
(name and address)

4. Type: 7811E001 Rev. 6 (drawing no.) | See attached List #1 (mat'l. spec. no.) | See List #1 (tensile strength) | - (CRN) | 2001 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 1 (class) | See attached List #2 (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks: Secondary side hydrotest has not been performed. Post-hydrotest final NDE has not been performed on secondary side. Previous N-2 form for primary head (National Board No. 402) attached.

8. Nom. thickness (in.) See List #3 Min. design thickness (in.) See List #3 Dia. ID (ft & in.) See List #3 Length overall (ft & in.) 39'-8 7/16"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 7811-01	196	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
		(50)	

10. Design pressure See List #4 psi. Temp. See List #4 °F. Hydro. test pressure See List #4 at temp. (when applicable)

REVIEWED
AUG 20 2001

Certificate Holder's Serial Nos. 7811-01 through

CERTIFICATION OF DESIGN

Design specifications certified by E.S. Broczkowski Jr. (when applicable) P.E. State MD Reg. no. 12424

Design report* certified by L. Vizi (when applicable) P.E. Prov. Ont. Reg. no. 48244206

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Steam Generator Sub-Assembly (See Fig. 1) conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2791 Expires January 23, 2004

Date August 16, 01 Name Babcock & Wilcox Canada (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Ontario and employed by Technical Standards and Safety Authority of Ontario. have inspected these items described in this Data Report on 01/08/16, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 01/08/16 Signed (Authorized Inspector) Commissions NB # 8112-B-N. (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Certificate Holder's Serial Nos. 7811-01 through -
National Board Nos. 196 through -

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario
(name and address of NPT Certificate Holder)
2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657
(name and address of Purchaser)
3. Location of Installation CCNPP Units 1&2, Lusby, Maryland 20657-4702

4. Type:

5.ASME Code:

List #1:

	Material Specification	Tensile Strength
Primary Head	SA-508 Cl. 3a	90 ksi
Primary Head Inlet Nozzle	SA-508 Cl. 3a	90 ksi
Primary Head Outlet Nozzle	SA-508 Cl. 3a	90 ksi
Base Support Stool	SA-533 Type B Cl. 1	80 ksi
Tubesheet	SA-508 Cl. 3a	90 ksi
Tubes	SB-163 N-20-4 (Alloy 690)	80 ksi
Secondary Side Shell Cans	SA-508 Cl. 3a	90 ksi
Secondary Side Shell Cone	SA-508 Cl. 3a	90 ksi
Primary Manway Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Handhole Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Inspection Port Covers	SA-533 Type B Cl. 1	80 ksi
Small Nozzles – Primary Side	SB-166 N06690	69.9 ksi
Small Nozzles– Secondary Side	SA-350 LF2	70 ksi
Blowdown Nozzles	SFA 5.5 E7018-A1 Buildup	70 ksi
Recirculation Nozzle	SFA 5.5 E7018-A1 Buildup	70 ksi

List #2:

Code Cases:	N-20-4
	N-411-1
	N-474-1
	2142-1
	2143-1
	N-401-1
	N-416-1

List #3:

	Nominal Thickness	Min. Design Thickness	Inner Diameter
Primary Head	7"	7.000"	-
Tubesheet	21.875"	21.500"	-
Secondary Side Shell Cans			
1) Shell above Tubesheet	4.375"	4.25"	13'-3 3/16"
2) Remainder of Shell	2.875"	2.77"	13'-3 3/16"
Secondary Shell Cone			
1) Above Secondary Shell Can	5.125"	5.000"	-
2) Conical Portion	4.625"	4.500"	-
Tubes	0.042"	0.038"	0.666" Nom.

Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

Certificate Holder's Serial Nos. 7811-01 through -
National Board Nos. 198 through -

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario
(name and address of NPT Certificate Holder)
2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657
(name and address of Purchaser)
3. Location of Installation CCNPP Units 1&2, Lusby, Maryland 20657-4702

4. Type:

5. ASME Code:

List #4:

	Secondary Side	Primary Side
Design Pressure	1015 psia	2500 psia
Design Temperature	550°F	650°F
Hydrotest Pressure	-	3125 psia
Hydrotest Temperature	-	70°F

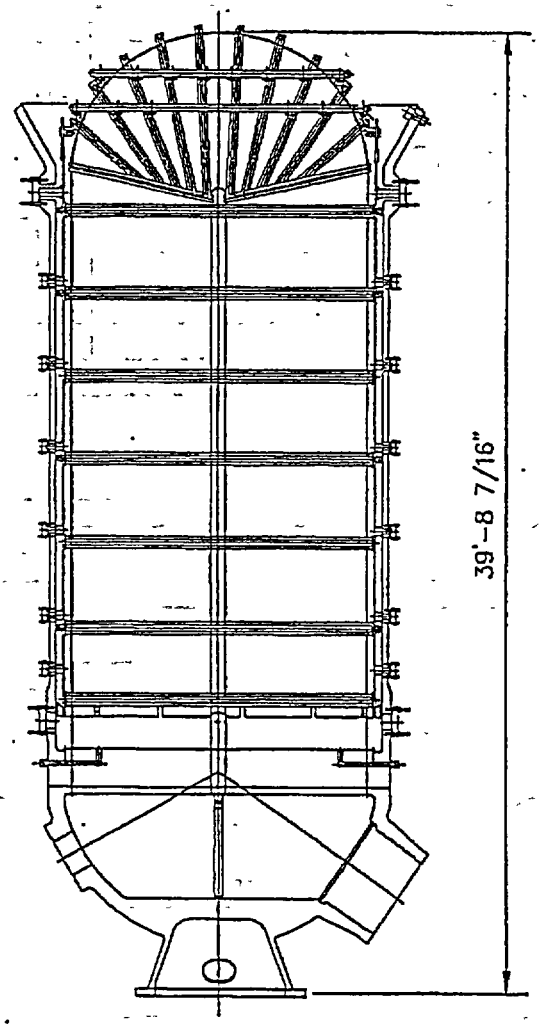

FIGURE 1
GENERAL ARRANGEMENT

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by The Japan Steel Works, Ltd.,Muroran Plant/4-Chatsu-machi, Muroran, Hokkaido,051-8505 Japan
(name and address of NPT Certificate Holder)

2. Manufactured for Babcock & Wilcox,581 Coronation Blvd.,Cambridge, Ontario,N1R 5V3,Canada
(name and address of Purchaser)

3. Location of Installation Calvert Cliffs Nuclear Power Plant Unit 1 & 2 Calvert Country,Maryland
(name and address)

4. Type: N147951W,Rev. 2 (drawing no.) SA-508, Cl. 3a (mat'l. spec. no.) Min. 90ksi (tensile strength) - (CRN) 1999 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) No addenda (addenda date) 1 (class) - (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks: Hydrostatic test is not performed in The Japan Steel Works, Ltd.
Cladding thickness is min. 0.20" from base metal.
Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16 and SFA-5.9 ER309L + ER308L.

P.O. No1 : CM3302064 JSW Job No. : FNB-4305
Heat No. : 98W59-1-1 JSW PC. No. : 1

8. Nom. thickness (in.) 7-1/4" Min. design thickness (in.) 7.00" Dia. ID (ft & in.) 151.37" Length overall (ft & in.) 5'-7.72"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 1046	402
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

BWC
INCOMING INSPECTION
AUG 13 1999
Q.C. 16
APPROVED

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A (when applicable) at temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

JQA-99-134 24-2

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. 1046 through -

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires July 21, 2001

Date June 25, 1999 Name The Japan Steel Works, Ltd Muroran Plant (NPT Certificate Holder) Signed (authorized representative) J. TAIRA

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by H.S.B.I. & I. Co. of HARTFORD. CT. have inspected these items described in this Data Report on 6/25/99, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 6/25/99 Signed (Authorized Inspector) H. KAWABATA Commissions NB#10145 A.N.S. (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Name Plate removed for further manufacture
Aug 16/99
Will be forwarded to the customer
in the history dockt
E.A. Marsh, Quality Records. 06/30/01.

BWC
INCOMING INSPECTION
AUG 13 1999
Q.C. 16
APPROVED

01/06/20 AWI

781101
PRIMARY HEAD

99/08/16

ASMT. SCH. III CLASS 1

BY ORDER OF THE SECRETARY OF COMMERCE

W/NOTES W/ATT

ITEM IN ON 6/16/59-1T

ITEM IN 6/16/59

ITEM TO GM 960/08

ITEM CONTRACT NO 2222

NATIONAL BOARD SERIAL NUMBER

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

CERTIFICATE OF INSPECTION

CERTIFICATE OF AUTHORIZATION

D.O. 8066142

17 3198496

8-16-99

NATIONAL BOARD NO. [illegible]
CERTIFIED BY
BABCOCK & WILCOX CANADA
SERIAL NO. 78HE [illegible]
FOR
CALVERT CLIFFS NUCLEAR POWER PLANT
UNITS 1 AND 2
REPLACEMENT STEAM GENERATOR
ASME CODE SECTION III, CLASS 1, 1989, NO ADDENDA

7811 NG1 999 MA
W.O. # 825445
ITEM # 5195488
SEPT. 04/01

CUSTOMER
DATE — 09-05-01
ANI — MI 9.5.01
DATE —

NAT'L BD.

[redacted]

(NATIONAL BOARD SERIAL NUMBER)

CERTIFIED BY
THE JAPAN STEEL WORKS, LTD.
MURORAN PLANT
(NAME OF CERTIFICATE HOLDER)

[redacted]

(CERTIFICATE HOLDER'S SERIAL NUMBER)

The Steam Generating Team
SGT Ltd.
A Washington Group International, Inc. / Duke Engineering & Services, Inc. Company

August 15, 2001
Letter No. 01-0013-BWC
Action Required: No

Babcock & Wilcox, Canada
581 Coronation Boulevard
Cambridge, Ontario

Canada, N1R 5V3

Attention: Mr. Garry Astles, Project Manager

Reference: CCNPP Steam Generator Procurement
Purchase Order No. 4621-CCNP-21-9000

Subject: CCNPP Unit 1 ASME Design Report

Dear Mr. Astles:

CCNPP and SGT have reviewed ASME Design Report Nos. 222-7811-SR-8.1, Rev. 1 in accordance with the ASME Boiler and Pressure Vessel Code Section III, NCA-3260, Division 1, and have determined the report meets the owner's requirements per Code.

If you have any questions, please contact me at (704) 382-7148 or David Keen (704) 382-0096.

Action Required:
None

Respectfully yours,

Kevin J. Connell
Replacement Steam Generator Engineering Manager
SGT Ltd.

Attachment: Calculation Cover Sheet for 222-7811-SR-8.1 Rev. 1

cc w/ attach: B.R. Rudell, T. L. Konerth, E. Broczkowski, File 13.021.3, D.D. Crawford, J. B. Wheeler, M. C. Scott, M.S. Sills, D. S. Keen, T. Helms (File), K. Wolfcale, A. M. Wolfe

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-001b, ESP No. ES199601526 (P.O. no , job no , etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Combustion Engineering	30" & 42" CC-1 Piping	N/A	Reactor Coolant Piping	1970	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the Reactor Coolant Hot Leg and Cold Leg Pipe welding to support the replacement of #11 Steam Generator.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure Inservice: ☐ Leakage: ☑ Functional ☐

Pressure: 2273 psi. Test Temperature: 532 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/1/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the

components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence (Inspector's Signature) Commissions: NB8226 ANI, MD647 (National Board, State, and Endorsements)

Date August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 3

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-001c, ESP No. ES199601526 (P.O. no , job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number Var. System Name: Main Steam, B/D, F/W, Aux/Feed, & Recir

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, 1972 Add

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	DB-1, EB-1,-5,& -6	N/A	Main Steam, Feedwater, Blowdown, Wet-Layup Recirc. & Aux. Feedwater Sys.	1975	Repaired/Replaced	No
Elbow	SGT-Aux. Feedwater	ES199601526-118	N/A	Elbow, Pipe, 4 in. 90 deg. Long Rad, Sch.80, Btt Wld, SA-234 Gr. WPB	2001	Replacement	No
valve	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Valve, 2 in., gate, 800#, ASME SA-105, Mark #19	2001	Replacement	No
Pipe	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Pipe, 2 in. Sch. 80, ASME SA-106 Gr. B	2001	Replacement	No
Flange	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Flange, 2 in., 150 lb., Raised Face, Sch.40, Socketweld, ASME SA105	2001	Replacement	No
Pipe Clamp Base	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe Anchor Base, 2 in. for PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	2001	Replacement	No
Pipe	SGT-Aux. Feedwater	ES199601526-118	N/A	Pipe, 4 in. Sch. 80, Carbon Steel, ASTM A-106 Grade B	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F-22	2001	Replacement	No
Coupling	SGT-Blowdown	ES199601526-110	N/A	Coupling, 2 in., 3000 lb., Socketweld, ASTM A-182, Tp. F22	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 4 in. X 4 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Nut	SGT-Blowdown	ES199601526-110	N/A	Nut, Hex. Head, 1/2 in. X 13 TPI, SA-194 Gr. 2H	2001	Replacement	No

Eye Nut	SGT-Blowdown	ES199601526-110	N/A	Eye Nut, Weldless, 1/2 in., Grinnell, Fig. 290N	2001	Replacement	No
Plate, C.S.	SGT-Blowdown	ES199601526-110	N/A	Plate, Steel, 1/2 in. X 48 in. X 96 in., ASTM-A36	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 1 in. X 1 in. X 1/4 in., ATSM A-36	2001	Replacement	No
Pipe Clamp	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe, 2 in., for use on Grinnell Fig. 295N, with Hardware	2001	Replacement	No
Spring Can	SGT-Blowdown	ES199601526-110	N/A	Support, Variable Spring Can, Grinnell Figure # B-268N, Tp. A, Size 000	2001	Replacement	No
Fitting	SGT-Blowdown	ES199601526-110	N/A	Lateral, 2 in., 3000 lb., Socketweld, ASTM A-182 Gr. F22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 45 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F-22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. Long Rad, Sch.80, Butt Weld, ASTM A-234 Gr. WP22	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 3 in. X 3 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Tube Steel	SGT-Blowdown	ES199601526-110	N/A	Tube Steel, 3 in. X 3 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No
Radiographic Plug	SGT-Main Steam	ES199601526-108	N/A	Plug, Radiographic, 1 1/4 in. ASTM A675, Gr. 80	2001	Replacement	No
Pipe	SGT-Feedwater	ES199601526-109	N/A	Pipe, 16 in. Sch. 80, ASME SA-335 Gr. P22	2001	Replacement	No
Elbow	SGT-Feedwater	ES199601526-109	N/A	Elbow, Pipe, 16 in. 90 deg. Long Rad, Sch.80, Butt Weld, ASME SA-234 Gr. WP22	2001	Replacement	No
Radiographic Plug	SGT-Feedwater	ES199601526-109	N/A	Plug, Radiographic, 1 1/4 in. ASTM A739, Gr. B22	2001	Replacement	No
Concentric Reducer	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Reducer, Pipe, Concentric, 3 in. X 2 in., Sch. 80 ASTM A-234, Gr. WPB	2001	Replacement	No

7. Description of Work:

This plan was for the work to be done to the Main Steam, Blowdown, Feedwater, Aux. Feedwater and the Wet-Layup Recirc. lines that are associated with the replacement of #11 Steam Generator.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 890 psi. Test Temperature: 532 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/1/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert C. Lawrence (Inspector's Signature) Commissions: N88226 ANI, MD647 (National Board, State, and Endorsements)

Date: August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-001d, ESP No. ES199601526 (P.O no , job no., etc)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6 Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1" & under CC-9	N/A	Reactor Cooling Sys. Instrumentation	1970	Repaired/Replaced	No
Tubing	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Tubing, 3/4 in. X .065 Wall, ASME SA 213, Tp. 316	2001	Replacement	No
2D Tubing Clamp	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Clamp, Tube, 3/4 in., 2 Directional, Mark #400, Girard P/N 3/4T-SS-2D, A/SA 276 or 479, Tp. 304/316	2001	Replacement	No
Tubing Union	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Union, Tubing, 3/4 in. Swagelok, P/N SS-12-TSW-6, ASTM/ASME A/SA182 or A/SA479, Tp. 316	2001	Replacement	No
Pipe	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Pipe, 1in. Sch 80, ASME SA-376, TP-316	2001	Replacement	No
Fitting	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Fitting, 1 in. X 3/4 in. Pipe/Tubing Connector, Parker , P/N 12-1-AW	2001	Replacement	No

7. Description of Work:

This plan was for the Reactor Coolant System Instrumentation Piping/Tubing and supports, one inch and under, work to support the replacement of #11 Steam Generator.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure Inservice: ☐ Leakage: ☐ Functional: ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 8/1/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) — Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) — Sheet 1 of 1

2. Plant: Calvert Cliffs Nuclear Power Plant (name) — Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) — R&R No. SG-1-001e, ESP No. ES199601526 (P.O. no., job no., etc)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) — Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) — Section XI Class: One & Two

4. Identification of System: System Number 64/83 System Name: Steam Generator Replacement

5.(a) Applicable Construction Code and Class: AISC, Manual of Steel Construction, 6th Ed. 1963

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Comp. Support	Combustion Engineering	N/A	N/A	#11 Steam Generator Snubber and Sliding Base	1970	Repaired/Replaced	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, Steel 1/4 in. ASME SA-36	2001	Replacement	No
Stud	SGT-Steam Generator Supports	ES199601526-107	N/A	Stud, 2 1/4 in. X 14 in. X 4 1/2 TPI, ASTM A-193, Gr. B7	2001	Replacement	No
Nut	SGT-Steam Generator Supports	ES199601526-107	N/A	Nut, Heavy Hex, 2 1/4 in. X 4 1/2 TPI, ASTM A-194 Gr. 7	2001	Replacement	No
Nut	SGT-Steam Generator Supports	ES199601526-107	N/A	Washer, 2 1/4 in., Circular Hardened, ASME SA-193 Gr. B7	2001	Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, 1/2 in., ASTM B-22, Tp. E	2001	Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, Shim, AISI 4140, 125 RMS Finish, Heat-Treat to RC-40	2001	Replacement	No
Capscrew	SGT-Steam Generator Supports	ES199601526-107	N/A	Capscrew, 1/2 in. X 13 TPI, UNC 3A, Socket-Head, Countersunk per ASTM F-835	2001	Replacement	No

7. Description of Work:

This plan was for the work on the Sliding base and the brackets that hold #11 Steam Generator in place.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure: Inservice: ☐ Leakage. ☐ Functional: ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/1/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence (Inspector's Signature) Commissions: NB 8226 ANI, MD 647 (National Board, State, and Endorsements)

Date: August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-002a, ESP No. ES199601526 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: One & Two

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

4. Identification of System: System Number 64/83 System Name: Steam Generator Replacement

5.(a) Applicable Construction Code and Class: ASME B&PV Code Sect. III, 1965 Edition, Winter 1967 Add; Class A CCases: 1332-2, 1332-4, 1359-1

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Pressure Vessel	Combustion Engineering	CE 67505	20923	#12 Steam Generator	1970	Repaired/Replaced	Yes
Steam Generator	Babcock & Wilcock Canada	4621CCNP-21-9000 SN: 7811-02	197	Steam Generator Lower Assembly, Primary Side Head, Tubes and Secondary Shell up to Transition	2001	Replacement	Yes

7. Description of Work:

This plan was for the replacement of the primary side head, tubes, and secondary side shell up to the transition area of #12 Steam Generator. This also documents the reconfiguration of the Feed Nozzle and Surface Blowdown Nozzle.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☑ Functional: ☐

Pressure: 890 psi. Test Temperature: 532 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI VT-1 Visual Examination of the replacement threaded fasteners was performed to satisfy Section XI Pre-Service NDE Requirements. A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination, Eddy Current Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 8/1/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 7-11-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date: August 8, 2002

PO# T621CLIIP-21-9000

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III

Not to Exceed One Day's Production

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of NPT Certificate Holder)

2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657 (name and address of Purchaser)

3. Location of Installation Calvert Cliffs Nuclear Power Plant (CCNPP) Units 1&2, Lusby, Maryland 20657-4702 (name and address)

4. Type: 7811E001 Rev. 6 (drawing no.) See attached List #1 (mat'l spec. no.) See List #1 (tensile strength) - (CRN) 2001 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) No Addenda (addenda date) 1 (class) See attached List #2 (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks: Secondary side hydrotest has not been performed. Post-hydrotest final NDE has not been performed on secondary side. Previous N-2 form for primary head (National Board No. 403) attached.

8. Nom. thickness (in.) See List #3 Min. design thickness (in.) See List #3 Dia. ID (ft & in.) See List #3 Length overall (ft & in.) 39'-8 7/16"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 7811-02	197	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure See List #4 psi. Temp. See List #4 °F. Hydro. test pressure See List #4 at temp. °F (when applicable)

Certificate Holder's Serial Nos. 7811-02 through

CERTIFICATION OF DESIGN

Design specifications certified by E.S. Broczkowski Jr. (when applicable) P.E. State MD Reg. no. 12424

Design report* certified by L. Vizi (when applicable) P.E. Prov. Ont. Reg. no. 48244206

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Steam Generator Sub-Assembly (See Fig. 1) conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2791 Expires January 23, 2004

Date August 29, 01 Name Babcock & Wilcox Canada (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Ontario and employed by Technical Standards and Safety Authority of Ontario have inspected these items described in this Data Report on Aug 29/01, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date Aug 29/01 Signed (Authorized Inspector) Commissions 10869 A B N S 45 ONT (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Attachment to FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

Certificate Holder's Serial Nos. 7811-02 through -
National Board Nos. 197 through -

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario
(name and address of NPT Certificate Holder)
2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657
(name and address of Purchaser)
3. Location of Installation CCNPP Units 1&2, Lusby, Maryland 20657-4702
4. Type:
5. ASME Code:

List #1:

	Material Specification	Tensile Strength
Primary Head	SA-508 Cl. 3a	90 ksi
Primary Head Inlet Nozzle	SA-508 Cl. 3a	90 ksi
Primary Head Outlet Nozzle	SA-508 Cl. 3a	90 ksi
Base Support Stool	SA-533 Type B Cl. 1	80 ksi
Tubesheet	SA-508 Cl. 3a	90 ksi
Tubes	SB-163 N-20-4 (Alloy 690)	80 ksi
Secondary Side Shell Cans	SA-508 Cl. 3a	90 ksi
Secondary Side Shell Cone	SA-508 Cl. 3a	90 ksi
Primary Manway Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Handhole Covers	SA-533 Type B Cl. 1	80 ksi
Secondary Inspection Port Covers	SA-533 Type B Cl. 1	80 ksi
Small Nozzles – Primary Side	SB-166 N06690	69.9 ksi
Small Nozzles– Secondary Side	SA-350 LF2	70 ksi
Blowdown Nozzles	SFA 5.5 E7018-A1 Buildup	70 ksi
Recirculation Nozzle	SFA 5.5 E7018-A1 Buildup	70 ksi

List #2:

Code Cases:	N-20-4
	N-71-15
	N-411-1
	N-474-1
	2142-1
	2143-1
	N-401-1
	N-416-1

List #3:

	Nominal Thickness	Min. Design Thickness	Inner Diameter
Primary Head	7"	7.000"	-
Tubesheet	21.875"	21.500"	-
Secondary Side Shell Cans			
1) Shell above Tubesheet	4.375"	4.25"	13'-3 3/16"
2) Remainder of Shell	2.875"	2.77"	13'-3 3/16"
Secondary Shell Cone			
1) Above Secondary Shell Can	5.125"	5.000"	-
2) Conical Portion	4.625"	4.500"	-
Tubes	0.042"	0.038"	0.666" Nom.

NUCLEAR PARTS AND APPURTENANCES

Certificate Holder's Serial Nos. 7811-02 through -
National Board Nos. 197 through -

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario
(name and address of NPT Certificate Holder)
2. Manufactured for SGT Ltd. P.O. Box 1219, Lusby, Maryland 20657
(name and address of Purchaser)
3. Location of Installation CCNPP Units 1&2, Lusby, Maryland 20657-4702

4. Type:

5.ASME Code:

List #4:

	Secondary Side	Primary Side
Design Pressure	1015 psia	2500 psia
Design Temperature	550°F	650°F
Hydrotest Pressure	-	3125 psia
Hydrotest Temperature	-	70°F

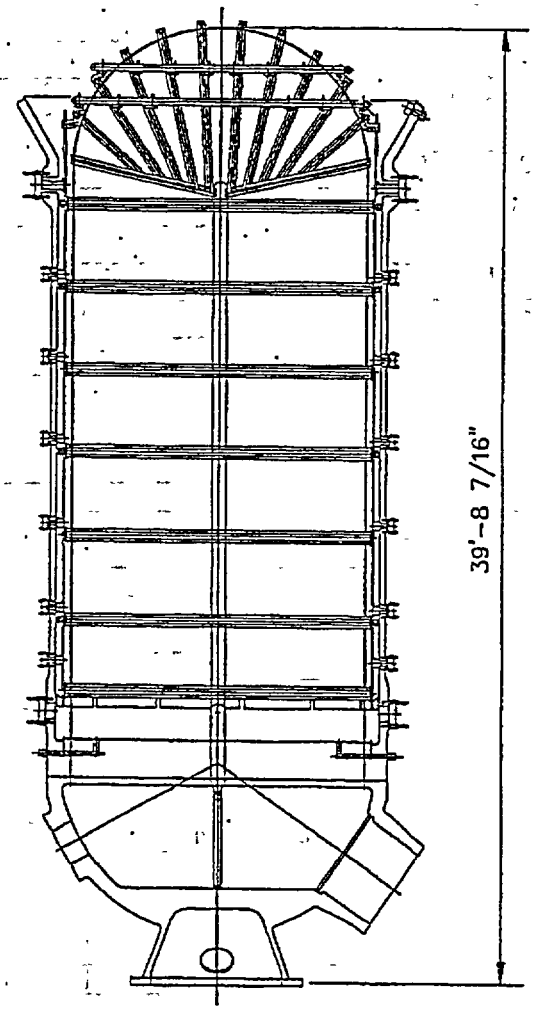

FIGURE 1
GENERAL ARRANGEMENT

JQA-99-161 Z2-1

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by The Japan Steel Works, Ltd.,Muroran Plant/4-Chatsu-machi,Muroran,Hokkaido,051-8505 Japan
(name and address of NPT Certificate Holder)

2. Manufactured for Babcock & Wilcox, 581 Coronation Blvd., Cambridge, Ontario, N1R 5V3, Canada
(name and address of Purchaser)

3. Location of Installation Calvert Cliffs Nuclear Power Plant Unit 1 & 2 Calvert Country, Maryland
(name and address)

4. Type: N147951W, Rev. 2 (drawing no.) | SA-508, Cl. 3a (mat'l. spec. no.) | Min. 90ksi (tensile strength) | - (CRN) | 1999 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No addenda (addenda date) | 1 (class) | - (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks: Hydrostatic test is not performed in The Japan Steel Works, Ltd.
Cladding thickness is min. 0.20" from base metal.
Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16 and SFA-5.9 ER309L + ER308L.

P.O. No. : CM3302064 JSW Job No. : FN8-4305
Heat No. : 98W61-1-1 JSW PC. No. : 2

8. Nom. thickness (in.) 7-1/4" Min. design thickness (in.) 7.00" Dia. ID (ft & in.) 151.37" Length overall (ft & in.) 5'-7.72"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 1047	403	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

BWC
INCOMING INSPECTION
SEP 8 1999
Q.C. 16
APPROVED

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

JQA-99-161 22-2

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. 1047 through -

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires July 21, 2001

Date July 28, 1999 Name The Japan Steel Works, Ltd Muroran Plant (NPT Certificate Holder) Signed (Authorized representative) J. TAIRA

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by H.S.B.I. & I.Co. of HARTFORD, CT. have inspected these items described in this Data Report on July 28, 1999, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 28, 1999 Signed (Authorized Inspector) H. KISHIDA Commissions NB # 10104 N, B, A (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Name Plate removed for further manufacturing Aug. 20/99.
will be forwarded to the customer in the history dockets.

E. Marsh, Quality Records.
06/20/01.

Kimpkins ANI
01/06/20

BWC
INCOMING INSPECTION
SEP 8 1999
Q.C. 16
APPROVED

REVIEWED
AUG 3 1 2001
Fur up SGT.

NATIONAL BOARD NO. [redacted]
CERTIFIED BY
BABCOCK & WILCOX CANADA
SERIAL No. [redacted]
FOR
CALVERT CLIFFS NUCLEAR POWER PLANT
UNITS 1 AND 2
REPLACEMENT STEAM GENERATOR
ASME CODE SECTION III, CLASS 1, 2001 NC ADDENDA

781INC-2999
W/O # 825548
ITEM # 5195488
ASSY PREPARE TO SHIP

OP# 0400

SIGN OFF
QC – BW 95 C AUG 31/2001
CUSTOMER – SGT 31 Aug 01
ANI – MI Aug 31/01

NAT'L BD.

[illegible]0 3[illegible]

(NATIONAL BOARD SERIAL NUMBER)

N
PT
1

CERTIFIED BY
THE JAPAN STEEL WORKS, LTD.
MURORAN PLANT

(NAME OF CERTIFICATE HOLDER)

[illegible]0[illegible]

(CERTIFICATE HOLDER'S SERIAL NUMBER)

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-002b, ESP No. ES199601526 (P.O. no , job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Combustion Engineering	30" & 42" CC-1 Piping	N/A	Reactor Coolant Piping	1970	Repaired/Replaced	Yes

7. Description of Work:

This plan was for the Reactor Coolant Hot Leg and Cold Leg Pipe welding to support the replacement of #12 Steam Generator.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure. Inservice. ☐ Leakage: ☑ Functional ☐

Pressure: 2273 psi. Test Temperature: 532 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/1/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence (Inspector's Signature) Commissions: NB8226 ANI, MO647 (National Board, State, and Endorsements)

Date August 8 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/2/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 3

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-002c, ESP No. ES199601526 (P.O. no., job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: Two

4. Identification of System: System Number Var. System Name: Main Steam, B/D, F/W, Aux/Feed, & Recir

5.(a) Applicable Construction Code and Class: ASME B31.1.0 1967 Edition, 1972 Add

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	DB-1, EB-1,-5,& -6	N/A	Main Steam, Feedwater, Blowdown, Wet-Layup Recirc. & Aux. Feedwater Sys.	1975	Repaired/Replaced	No
Elbow	SGT-Aux. Feedwater	ES199601526-118	N/A	Elbow, Pipe, 4 in. 90 deg. Long Rad, Sch.80, Btt Wld, SA-234 Gr. WPB	2001	Replacement	No
valve	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Valve, 2 in., gate, 800#, ASME SA-105, Mark #19	2001	Replacement	No
Pipe	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Pipe, 2 in. Sch. 80, ASME SA-106 Gr. B	2001	Replacement	No
Flange	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Flange, 2 in., 150 lb., Raised Face, Sch.40, Socketweld, ASME SA105	2001	Replacement	No
Pipe Clamp Base	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe Anchor Base, 2 in. for PG-41 / PG-43 per Drwg.# FSK-MP-0571SH0003 & 0005, Part# 5.	2001	Replacement	No
Pipe	SGT-Aux. Feedwater	ES199601526-118	N/A	Pipe, 4 in. Sch. 80, Carbon Steel, ASTM A-106 Grade B	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Pipe	SGT-Blowdown	ES199601526-110	N/A	Pipe, 2 in. Sch. 80, ASTM A-335 Gr. P22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F-22	2001	Replacement	No
Coupling	SGT-Blowdown	ES199601526-110	N/A	Coupling, 2 in., 3000 lb., Socketweld, ASTM A-182, Tp. F22	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 4 in. X 4 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Nut	SGT-Blowdown	ES199601526-110	N/A	Nut, Hex. Head, 1/2 in. X 13 TPI, SA-194 Gr. 2H	2001	Replacement	No

Eye Nut	SGT-Blowdown	ES199601526-110	N/A	Eye Nut, Weldless, 1/2 in., Grinnell, Fig. 290N	2001	Replacement	No
Plate, C.S.	SGT-Blowdown	ES199601526-110	N/A	Plate, Steel, 1/2 in. X 48 in. X 96 in., ASTM-A36	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 1 in. X 1 in. X 1/4 in., ATSM A-36	2001	Replacement	No
Pipe Clamp	SGT-Blowdown	ES199601526-110	N/A	Clamp, Pipe, 2 in., for use on Grinnell Fig. 295N, with Hardware	2001	Replacement	No
Spring Can	SGT-Blowdown	ES199601526-110	N/A	Support, Variable Spring Can, Grinnell Figure # B-268N, Tp. A, Size 000	2001	Replacement	No
Fitting	SGT-Blowdown	ES199601526-110	N/A	Lateral, 2 in., 3000 lb., Socketweld, ASTM A-182 Gr. F22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 45 deg. 3000 lb., Socketweld; ASTM A-182 Gr. F-22	2001	Replacement	No
Elbow	SGT-Blowdown	ES199601526-110	N/A	Elbow, Pipe, 2 in. 90 deg. Long Rad, Sch.80, Butt Weld, ASTM A-234 Gr. WP22	2001	Replacement	No
Angle	SGT-Blowdown	ES199601526-110	N/A	Angle, 3 in. X 3 in. X 1/4 in., ASTM A-36	2001	Replacement	No
Tube Steel	SGT-Blowdown	ES199601526-110	N/A	Tube Steel, 3 in. X 3 in. X 1/4 in., ASTM A-500 Gr. B	2001	Replacement	No
Radiographic Plug	SGT-Main Steam	ES199601526-108	N/A	Plug, Radiographic, 1 1/4 in. ASTM A675, Gr. 80	2001	Replacement	No
Pipe	SGT-Feedwater	ES199601526-109	N/A	Pipe, 16 in. Sch. 80, ASME SA-335 Gr. P22	2001	Replacement	No
Elbow	SGT-Feedwater	ES199601526-109	N/A	Elbow, Pipe, 16 in. 90 deg. Long Rad, Sch.80; Butt Weld, ASME SA-234 Gr. WP22	2001	Replacement	No
Radiographic Plug	SGT-Feedwater	ES199601526-109	N/A	Plug, Radiographic, 1 1/4 in. ASTM A739, Gr. B22	2001	Replacement	No
Concentric Reducer	SGT-Wet-Layup Recirc.	ES199601526-111	N/A	Reducer, Pipe, Concentric, 3 in. X 2 in., Sch. 80 ASTM A-234, Gr. WPB	2001	Replacement	No

7. Description of Work:

This plan was for the work to be done to the Main Steam, Blowdown, Feedwater, Aux. Feedwater and the Wet-Layup Recirc. lines that were associated with the replacement of #12 Steam Generator.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure: Inservice: ☐ Leakage. ☑ Functional: ☐

Pressure: 890 psi. Test Temperature: 532 Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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9. Remarks:

A Section XI System Leakage Test of the affected component was performed during the system conditions listed in section 8. of this report. Code Case N-416-1 was invoked to satisfy Section XI required pressure tests. Addtional Section III Examinations were performed (as applicable) to satisfy Code Case N-416-1 and Reg.Guide 1.147. A Section XI Surface Examination and Ultrasonic Examination of the affected component was performed to satisfy Section XI Pre-Service NDE Requirements. With an approved Relief Request from NRC, we were allowed to meet the 1993 Addenda of the 1992 Edition of Section III. This addenda permits the use of wire type IQI's (Image Quality Indicators) as an alternative to plaque type IQI's for radiographic examinations. Plaque type IQI's are required by Section III, 1992 Edition which is referenced by Code Case N-416-1 and by the installation code which is Section III, 1989 Edition.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician Date: 8/2/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence Commissions: NB8226 ANI, MD647
Inspector's Signature National Board, State, and Endorsements

Date August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-002d, ESP No. ES199601526 (P.O. no , job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1" & under CC-9	N/A	Reactor Cooling Sys. Instrumentation	1970	Repaired/Replaced	No
Tubing	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Tubing, 3/4 in. X .065 Wall, ASME SA 213, Tp. 316	2001	Replacement	No
2D Tubing Clamp	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Clamp, Tube, 3/4 in., 2 Directional, Mark #400, Girard P/N 3/4T-SS-2D, A/SA 276 or 479, Tp. 304/316	2001	Replacement	No
Tubing Union	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Union, Tubing, 3/4 in. Swagelok, P/N SS-12-TSW-6, ASTM/ASME A/SA182 or A/SA479, Tp. 316	2001	Replacement	No
Pipe	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Pipe, 1in. Sch 80, ASME SA-376, TP-316	2001	Replacement	No
Fitting	SGT-Reactor Coolant Flow Indication	ES199601526-112	N/A	Fitting, 1 in. X 3/4 in. Pipe/Tubing Connector, Parker , P/N 12-1-AW	2001	Replacement	No

7. Description of Work:

This plan was for the Reactor Coolant System Instrumentation Piping/Tubing and supports, one inch and under, work to support the replacement of #12 Steam Generator.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage ☐ Functional ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician — Date: 8/1/2002
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W Lawrence — Commissions: NB8226 AWI, MD 647
Inspector's Signature — National Board, State, and Endorsements

Date: August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-002e, ESP No. ES199601526 (P.O. no., job no, etc)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name) Type Code Symbol Stamp: N/A

Authorization No.: N/A

Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address) Section XI Class: One & Two

4. Identification of System: System Number 64/83 System Name: Steam Generator Replacement

5. (a) Applicable Construction Code and Class: AISC, Manual of Steel Construction, 6th Ed. 1963

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Comp. Support	Combustion Engineering	N/A	N/A	#12 Steam Generator Snubber and Sliding Base	1970	Repaired/Replaced	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, Steel 1/4 in. ASME SA-36	2001	Replacement	No
Stud	SGT-Steam Generator Supports	ES199601526-107	N/A	Stud, 2 1/4 in. X 14 in. X 4 1/2 TPI, ASTM A-193, Gr. B7	2001	Replacement	No
Nut	SGT-Steam Generator Supports	ES199601526-107	N/A	Nut, Heavy Hex, 2 1/4 in. X 4 1/2 TPI, ASTM A-194 Gr. 7	2001	Replacement	No
Nut	SGT-Steam Generator Supports	ES199601526-107	N/A	Washer, 2 1/4 in., Circular Hardened, ASME SA-193 Gr. B7	2001	Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, 1/2 in., ASTM B-22, Tp. E	2001	Replacement	No
Plate	SGT-Steam Generator Supports	ES199601526-107	N/A	Plate, Shim, AISI 4140, 125 RMS Finish, Heat-Treat to RC-40	2001	Replacement	No
Capscrew	SGT-Steam Generator Supports	ES199601526-107	N/A	Capscrew, 1/2 in. X 13 TPI, UNC 3A, Socket-Head, Countersunk per ASTM F-835	2001	Replacement	No

7. Description of Work:

This plan was for the work on the Sliding base and the brackets that hold #12 Steam Generator in place.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure. Inservice. ☐ Leakage ☐ Functional. ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/1/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence (Inspector's Signature) Commissions: NB8226 ANI, MD647 (National Board, State, and Endorsements)

Date August 8 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 8/1/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: One

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SG-1-003, ESP No. ES199601526 (P.O. no , job no , etc)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Section XI Class: One

4. Identification of System: System Number 064 System Name: Reactor Coolant System

5.(a) Applicable Construction Code and Class: ASME B31.7 1969 Edition, Summer 1971 Add; Class One

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASME Code Stamped (Yes or No)
Piping System	Bechtel	1" & under CC-9	N/A	Reactor Cooling Sys. Instrumentation	1970	Repaired/Replaced	No

7. Description of Work:

This plan was for the Reactor Head Vent Piping/Tubing and supports, one inch and under, work to support the replacement of the Steam Generators.

8. Tests Conducted: Hydrostatic: ☐ Pneumatic: ☐ Nominal Operating Pressure: Inservice: ☐ Leakage: ☐ Functional: ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

No Section XI Pre-Service NDE was performed in support of this activity.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 8/1/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 2-11-02 to 6-28-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence (Inspector's Signature) Commissions: NB 8226 ANI, MD647 (National Board, State, and Endorsements)

Date: August 8, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required Required by the Provisions of the ASME Code Section XI

1. Owner: Calvert Cliffs Nuclear Power Plant, Inc. (name) Date: 6/21/2002

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) Sheet 1 of 2

2. Plant: Calvert Cliffs Nuclear Power Plant (name) Unit: Common

1650 Calvert Cliffs Parkway; Lusby, MD 20657 (address) R&R No. SNUB-0-002, MWO No. SNUB POOL (P.O. no , job no., etc.)

3. Work Performed by: Calvert Cliffs Nuclear Power Plant Dept. (name)

1650 Calvert Cliffs Parkway, Lusby, MD 20657 (address)

Type Code Symbol Stamp: N/A
Authorization No.: N/A
Exp Date: N/A
Section XI Class: 1, 2, & 3

4. Identification of System: System Number 065B System Name: Seismic Snubbers

5. (a) Applicable Construction Code and Class: ASME B31.1.0 1967 Ed, 1972 Add, B31.7 1969 Ed, Sum. 1971 Add. or Combustion Eng. Spec 8067-487-503

(b) Applicable Sect XI Ed. for Repairs/Replacement 1998 Edition

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Componet	Name of Manufacturer	Manufacturers Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber Pool	Grinnell Corporation	Snubber Pool	N/A	Hydraulic Shock and Sway Suppressor	1975	Repaired/Replaced	No
Snubber	Grinnell Corporation	59013-GX SN: 32307	N/A	Hydraulic Shock and Sway Suppressor, 2-1/2" Bore by 5" Stroke, Fig. 200	1991	Replacement	No

7. Description of Work:

This plan was for the continued control of the Snubber Pool and documentation of new components/parts added to the Snubber Pool per Section XI 1998, IWA-4132, Items Rotated From Stock. This Plan was for all Snubber work from the end of Unit #2, 2001 outage through to the end of Unit #1, 2002 outage.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure. Inservice: ☐ Leakage: ☐ Functional ☐

Pressure: N/A psi. Test Temperature: N/A Deg. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks:

A Section XI VT-3 Visual Examination of the affected component support was performed prior to the system being returned to service.

Applicable Manufacturer's Data Reports to be Attached

Certificate of Compliance

We certify that the statements made in this report are correct and that this Repair/Replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A
Certificate of Authorization No.: N/A Expiration Date: N/A

Signed: Charles H. Ballard — Charles H. Ballard, Engineering Technician (Owner or Owner's Designee, Title) Date: 6/21/2002

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Maryland and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 5-23-01 to 6-21-02, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Robert W. Lawrence — Inspector's Signature

Commissions: NB 8226 NI, MD647 — National Board, State, and Endorsements

Date: August 20, 2002