Docket No. 50-336 B13325

Attachment

Millstone Nuclear Power Station, Unit No. 2 1989 In-Service Inspection Report

8908080151 890728 PDR ADDCK 05000336 Q PNU

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July 1989

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### NLSCO

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Owner's Data Report NIS-1

### FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

### As required by the Provisions of the ASME Code Rules

1	Owner	Northeast Nuclear Energy Company, P. O. Fox 270,	Hartford,	CT	06101							
(Name and Address of Owner)							and a subscription					
2.	Plant	Millstone	Nuclear	Power	Station,	Ρ.	0.	Box	128,	Waterford,	CT	06385
				(Name	and Address	of P	lant)	1				

3. Plant Unit \_\_\_\_\_ 2 \_\_\_\_ 4. Owner Certificate of Authorization (if required) \_\_\_\_\_ NA

5. Commercial Service Date 12/26/75 6. National Board Number for Unix 20914

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	entra en tenar i companyet et en anten anten a fanan a			20-12-24 (2017-12-1-100-201-100-100-10-10-10-10-10-10-10-10-10-10
FLG to Shell Weld	M-CE Inc.	67110	NA	20914
SG#2 Bottom Head to Tube				
Sheet Weld	M-CE Inc.	67511	NA	20929
Reactor Vessel Int. (Visuals)	M-CE Inc.	67110	NA	20914
Loop Piping Welds	M-Bechtel	502-19	NA	NA
PRZ. Bottom	ana ana an' amin' ami		And a second	AND ADDRESS STOLEN.
Head Welds	M-CE Inc.	NA	NA	20918
Safety Int.				
Piping Welds	M. Dravo	NA	NA	NA
PRZ. Spray & Safety Lines	M. Dravo	NA	NA	NA
Reactor Head Bolting	M-CE Inc.	NA	NA	NA
RCP Bolting and Supports	M-CE Inc.	NA	NA	NA
SG#2 Lug			Cont. Las van en autoritation et en la mainte autoritation et en la mainte autoritation et en la mainte autorit	
Supports	M-CE Inc.	67511	NA	20929
Class I				
Valve Bolting SG#1 Nozzle &	Various	NA	NA.	NA
Inner Radius	M-CE Inc.	67510	NA	20928
Class 1.2 & 3	COLUMN AND ADDRESS OF ADDRES			
Supports	Various	NA	NA	NA
SG #1			The construction of the state of the construction of the state of the	
Tubing	M-CE Inc.	67510	NA	20928
SG #2	M-CE Inc.	67511		20929
Jubing	AND THE PARTY OF T	and a state of the second	a service was applied a president and the president of th	No to the set of the set

Note: Supplemental sheets in form of lits, sketches, or drawings may be used provided (1) size is  $8\frac{1}{2}$  in. x 11 in., (2) information in items 3 through 6 on this data 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.

This form (E00029) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

8. Examination Dates 1/24/89 to 4/13/89 9 Inspection Interval from 12/26/85 to 12/26/95

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See Section 6 of the attached report for Class 1, Class 2 Examinations including the IWF Supports.

11. Abstract of Conditions Noted.

See Section 7 of the attached report.

12. Abstract of Corrective Measures Recommended and Taken

See Section 12 of the attached report.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

By ABlanchauf Date July 27 19 89 Signed NNECO NA NA Expiration Date \_\_\_\_ Certificate of Authorization No. (if applicable)

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of C7 and employed by H57 d. J of have inspected the components described in this Owners' Data Report during the period to H13/199, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 7/27 19 89 R.J. Zoner Commissions CT 1119 Inspector's Signature National B National Board, State, Province and No.

Abbreviations And Acronyms

# ABBREVIATIONS AND ACT DNYMS

81W	-	ASME Section XI, Winter 1981 Addenda
ANII	-	Authorized Nuclear In-Service Inspector
AR	-	ANII Reviewed
Cal. Block	-	UT Calibration Block
CEDM	-	Control Element Drive Mechanism
ISI	-	Inservice Inspection per ASME Section XI
LP	-	Liquid Penetrant
LR	-	Level III Reviewer
MT	-	Magnetic Particle Testing
NU	-	Northeast Utilities
NUSCO	-	Northeast Utilities Service Company
PR	-	Plant Reviewer
PT	-	Liquid Penetrant Testing
UT	-	Ultrasonic Testing
VT	-	Visual Examination

Introduction

#### INTRODUCTION

- Volumetric, surface, and visual examinations were performed as required by Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition, including the Winter 1981 Addenda.
- All records, examination data sheets, personnel certificates, equipment, and material certificates for the examinations performed are on file at the Millstone Nuclear Power Station Unit 2.
- 3. All items listed in this report are creditable items to the second period of the Second Interval In-Service Inspection Ten Year Class 1 and Class 2 program, with the exception of:
  - A. The additional visual examinations required to meet IWF-2430

     (a) or (b).
  - B. Augmented visual examinations of the pressurizer spray line to meet the requirements of NRC Bulletin #88-11.
  - C. Augmented visual examinations imposed by the NUPOC ISI coordinator to satisfy the requirements of IWF-3400 relative to nonconforming support #SIAH-02. This support was not scheduled to be examined during this refueling outage but was reported to be nonconforming.
  - D. The B-G-2 category valve flange bolting (1-1/8" dia.) replaced on valve numbers RC 200 and RC-404. This new bolting was liquid penetrant examined to satisfy an "up-grade" requirement and visually examined to satisfy the preservice requirement.
  - E. Since the 1989 refueling outage was close to the end of the first period and the start of the second period, several items noted in Section VI of this report will be creditable to the first period.
- 4. The examinations listed in this report were performed by personnel from the Northeast Utilities Service Company, Nuclear Engineering and Operations Group, EBASCO Services Incorporated, and Combustion Engineering Incorporated.
- 5. The rescheduled items listed in Section IV of the 1988 Refueling Outage Summary Report have been examined during this refueling outage. Examination credit will be applied to the first period of the second interval to meet the percentage requirements of IWB-2412.

Procedures And Personnel Qualifications

## PROCEDURE LIST

### NUSCO

Number	Revision	Description
NU-LP-1	8	Liquid Penetrant Examination
NU-MP-1	7	Magnetic Particle Examination
NU-UT-1	7	Ultrasonic Examination Procedure for General Requirements
NU-UT-2	6	UT Procedure for Austenitic and Dissimilar Metal Piping Welds
NU-UT-7	3	UT Procedure for Vessel Welds
NU-UT-16	2	UT Procedure for Pressurizer Support Structure Welds
NG-UT-17	3	UT Procedure for Nozzle to Safe End Welds at MP2
NU-UT-20	3	UT Procedure for Nozzle Inner Radius Areas at MP2
NU-UT-23	3	UT Procedure for Component Bolts and Studs
NU-UT-26	1	UT Procedure for Primary Coolant Pipe Welds at MP2
NU-VT-1	8	Inservice Visual Examinations
	Combustion	Engineering
Number	Revision	Description
MP-410-003	0	UT of the Reactor Vessel to Shell Weld from the Flange Mating Surface

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## PERSONNEL LIST

## EBASCO Services Incorporated

Nam	e		Me	ethods,	/Level	5	Date of Eye Certification
			VT	PT	UT	MT	
1.	R.	Barnes	III	II	III	-	01/12/89
2.	J.	Busby	II	II	II	II	01/10/89
3.	W.		-	II	I		02/05/89
4.	D.	Dufrene	-	I	I	-	11/10/88
5	М.		II	II	II	-	02/09/89
6.	Μ.		-	1T	1T	1T	05/03/88
7.	Α.		-	II	II	II	07/12/88
8.		Kovalovich	II	II	II	11	09/30/88
9	v.			II	1T	II	10/17/88
10 D 10 P	Τ.	Oddson	I	1T	I	1T	09/07/88
11.			II	II	II	II	08/18/88
12.			II		-	-	01/19/89
	Ε.		II	II	-	II	02/05/89
	L.		II	11	II	II	05/18/88
	R.		III	III	-	III	09/23/88

NUSCO

Name	Name		Methods/Levels				S	Eye Certification
and a state of the second		VT	PT	UT	MT			
1. T.	Davis	II	II	II	II	10/13/88		
2. P.	Durand	II	II	II	II	08/04/88		
3. R.	Fuller	lI	III	III	III	07/26/88		
	Pinto	11	II	II	II	02/09/89		

Combustion Engineering Inc.

Name		M	lethods	/Level	.5	Eye Certification	
	VT	PT	UT	MT			
1.	D. 1	Hartel	-	-	I	-	01/16/89
		Michalski	-	-	II	-	02/13/89

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Equipment And Material List

### ULTRASONIC TEST INSTRUMENT LIST

Manufacturer	Model	Serial Number
КВ	USL-38	180453
KB	USL-38	180454
KB	USL-38	210895
KB	USL-48	213051
KB	USL-48	213222

## MAGNETIC TEST INSTRUMENT LIST

Manufacturer	Model	Serial Number	
Magnaflux	H-820R	87933	
Parker Probe	DA-200	8947	
Parker Probe	DA-200	8698	

## NDE MATERIAL LIST

Manufacturer	Item	Type	Batch #
Echo Laboratories	Couplant	Ultragel II	8868
Magnaflux	Cleaner	SKC-NF/ZC-7B	88A004
Magnaflux	Penetrant	SKL-HF/S	87F083
Magnaflux	Penetrant	ZL-54	86C03W
Magnaflux	Developer	SKD-NF/ZP-9B	87M020
Magnaflux	Developer	ZP-4B	850050

### ULTRACONIC TRANSDUCER LIST

Manufacturer	Frequency	Size	Serial Number
Aerotech	2.25 MHZ	1/4" dia.	F24762
Aerotech	2.25 MHZ	1/2" dia.	D27724
Aerotech	2.25 MHZ	1/2" dia.	K27620
Aerotech	2.25 MHZ	3/4" dia.	C13628
Aerotech	2.25 MHZ	3/4" dia.	E09696
Aerotech	2.25 MHZ	1-1/8" dia.	K11584
Aerotech	2.25 MHZ	1/2" x 1"	H25835
Aerotech	2.25 MHZ	1/2" x 1"	J27831
Aerotech	2.25 MHZ	1/2" x 1"	J27832
Aerotech	2.25 MHZ	1/2" x 1"	327833
Megasonics	1.0 MHZ	1/2" x 1"	CSS 105/ CSS 106
RTD	2.0 MHZ	2(10x18)	86 -76

## ULTRASONIC CALIBRATION BLOCK LIST

25203-29449		
Block Number	Drawing Number	Revision
UT-2	Sheet #7	2
UT-4	Sheet #5	1
UT-7A	Sheet #11	1
UT-15	Sheet #30	1
UT-16	Sheet #31	1
UT-20	Sheet #3	1
UT-21	Sheet #1	1
UT-27	Sheet #20	1
UT-28	Sheet #21	1
UT-29	Sheet #22	1
UT-32	Sheet #24	1
UT-34	Sheet #15	1

Conditions Noted

#### CONDITIONS NOTED

- Volumetric, surface, and visual examinations were performed, as required, by the ASME Boiler and Pressure Vessel Code, Section XI, 1980 Edition, including the 1981 Winter Addenda. However, the extent of the examinations for Class 1 (B-J) and Class 2 (C-F and C-G) are determined by the 1974 Edition, including the 1975 Summer Addenda, as required and/or permitted by 10CFR50.55a.
- Two sets of valve flange bolting were replaced on valves RC-200 and RC-404 this refueling outage. See Section VI, Category B-G-2, for the preservice examination results.
- 3. Class 1 and 2, component supports were corrected in accordance with standard component maintenance procedures.

Class 1 Examination Results

#### CLASS 1 EXAMINATION RESULTS

### CATEGORY B-A

Examination Area:

Pressure Retaining Welds in Reactor Vessel

Examination Method:

Volumetric (UT)

#### ITEM NUMBER

#### RESULTS

#### REMARKS

FS-1

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Acceptable

Examined 50% of this weld as permitted by Note 5, of Table IWB-2500-1. Note 10

## CATEGORY B-B

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Examination Area:	Pressure Retaining Reactor Vessels	Welds in Vessels Other Than
Examination Mothod:	Volumetric (UT) 0°	- 45° - 60° scans
ITEM NUMBER	RESULTS	REMARKS
PR-BHS-1	Acceptable	Scanning limitations due to permenant insulation bracket, examined approxi- mately 97 percent of the required volume.
PR-LSL-1	Acceptable	Long seam. Note 10
PR-USL-1	Acceptable	Long seam
SG-2-BHC-2	Acceptable	Indications seen on 45° and 60° scans are acceptable in accordance with IWA-2232. Note 10
SG-2-BHV-1	Acceptable	Long seam. Note 10
SG-2-BHV-3	Acceptable	Long seam. Note 10
SG-2-BHV-5	Acceptable	Long seam. Note 10
SG-2-BHV-7	Acceptable	Long seam. Note 10

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## CATEGORY B-F

Examination Area:	Pressure Retaining	Dissimilar Metal Welds
Examination Method:	Volumetric (UT); S	urface (PT) or (MT)
ITEM NUMBER	RESULTS	REMARKS
BPD-C-2001	Acceptable	PT. Note 10
BCH-C-2001	Acceptable	PT
BSI-C-2001	Acceptable	UT and PT
BPD-C-4000	Acceptable	PT
BSI-C-4000	Acceptable	UT and PT
P-13-C-1	Acceptable	UT and a combination of MT and PT. Note 10
P-14-C-3	Acceptable	UT and PT
P-17-C-1	Acceptable	UT and PT. Note 10
P-18-C-3	Acceptable	UT and PT

### CATEGORY B-G-1

Examination Area:	Pressure Retaining Inches in Diameter	Bolting Greater Than Two
Examination Method:	Volumetric (UT) 0° Visual (VT)	Scan; Surface (MT);
ITEM NUMBER	RESULTS	REMARKS
N-01 thru N-18	Acceptable (MT)	N-15 nut indication seen with MT is acceptable in accordance with IWB-3515.1(b). Note 10
N-19 thru N-36	Acceptable (MT)	None
S-01 thru S-18	Acceptable (MT)	S-07; S-08 and S-13 stud indications seen with MT are acceptable in accor- dance with IWB-3515.1(b). Note 10
S-19 thru S-36	Acceptable (UT & MT)	S-21A, S-25, S-26, and S-33 stud indications seen with MT are acceptable in accordance with IWB-3515.1(b)
W-19 thru W-36	Acceptable (VT)	W-24, W-25, W-27, W-33, W-35, and W-36 indications seen visually have been determined to be acceptable per engineering judgment
RP-40D-S-01 thru RP-40D-S-16	Acceptable (UT)	Reactor coolant pump studs. Note 10

\*The surface examination (MT) performed on these items is for second interval, first period credit. S-01 thru S-18 were ultrasonically examined in 1988.

## CATEGORY B-G-2

Examination Area:	Pressure Retaining Diameter and Less	Bolting Two Inches in
Examination Method:	Visual (VT)	
ITEM NUMBER	RESULTS	REMARKS
PR-B-2	Acceptable	None
SI-227	Acceptable	Valve pivot cover and bonnet bolting
SI-706B	Acceptable	Valve bonnet bolting
SI-247	Acceptable	Valve pivot cover and bonnet bolting. Non- relevant bonnet bolting indications were accepted by Engineering
RC-200	Acceptable	Valve bonnet and flange bolting. The flange bolting was replaced, the new bolting was PT'd as an upgrade requirement and visually examined for pre-service
RC-403	Acceptable	Valve bonnet bolting
RC-404	Acceptable	Valve bonnet and flange bolting. The flange bolting was replaced, the new bolting was PT'd as an upgrade requirement and visually examined for pre-service
RC-035C	Acceptable	Valve bonnet bolting
RC-035D	Acceptable	Valve bonnet bolting
RC-232	Acceptable	Valve bonnet bolting

### CATEGORY B-H

Examination Area:

Intergal Attachments for Vessels

Examination Method:

Volumetric (UT)

ITEM NUMBER

### RESULTS

### REMARKS

PR-SUP-C-1

Acceptable

Indications seen with UT were determined to be geometric in nature and therefore nonrelevant

### CATEGORY B-J

Examination Area:	Pressure Retaining Wolds in Piping	
Examination Method:	Volumetric (UT) and Surface (PT) or (MT) 4" and Over Diameter Pipe Size; Surface Only (PT) Less Than 4" Diameter Pipe Size	
ITEM NUMBER	RESULTS	REMARKS
P-11-C-1	Acceptable	UT and MT. Indications seen on 45° and 60° scans are acceptable in accordance with IWA-2232
P-11-C-1-A	Acceptable	UT and MT
P-11-C-2	Acceptable	UT and MT. Indications seen on 45° and 60° scans are acceptable in accordance with IWA-2232
P-11-L-1-A	Acceptable	UT and MT. Long seam
P-11-L-2-A	Acceptable	UT and MT. Long seam
P-11-L-3	Acceptable	UT and MT. Indications seen on the 45° scan are acceptable in accordance with IWA-2232. Long seam
P-11-L-3-A	Acceptable	UT and MT. Long seam
P-11-L-4	Acceptable	UT and MT. Long seam
P-11-L-4-A	Acceptable	UT and MT. Long seam
P-13-L-1	Acceptable	UT and MT. Long seam
P-13-L-2	Acceptable	UT and MT. Long seam
P-14-L-3-A	Acceptable	UT and MT. Long seam
P-14-L-4-A	Acceptable	UT and MT. Long seam
P-16-C-3	Acceptable	UT and MT
P-16-L-1-A	Acceptable	UT and MT. Long seam

## CATEGORY B-J (Continued)

Examination Area: Pressure Retaining Welds in Piping

Examination Method: Volumetric (UT) and surface (PT) or (MT) 4" and Over Diameter Pipe Size; Surface Only (PT) Less Than 4" Diameter Pipe Size

ITEM NUMBER	RECULTS	REMARKS
P-16-L-2-A	Acceptable	UT and MT. Long seam
P-17-L-1	Acceptable	UT and MT. Long seam
P-17-L-1-A	Acceptable	UT and MT. Long seam
P-17-L-2	Acceptable	UT and MT. Long seam
P-17-L-2-A	Acceptable	UT and MT. Long seam
P-18-L-3-A	Acceptable	UT and MT. Long seam
P-18-1-4-A	Acceptable	UT and MT. Long seam
BSI-C-1053	Acceptable	UT and PT. Note 10
BSI-C-1055	Acceptable	UT and PT. Note 10
BSI-C-1061	Acceptable	UT and PT
BSI-C-1085	Acceptable	UT and PT
BSI-C-3050	Acceptable	UT and PT. Note 10
BSI-C-3054	Acceptable	UT and PT. Note 10
BSI-C-3064	Acceptable	UT and PT
BSI-C-3066	Acceptable	UT and PT
BSI-C-1015	Acceptable	UT and PT
BSI-C-4008	Acceptable	UT and PT
BSI-C-4012A	Acceptable	UT and PT
BSI-C-4014	Acceptable	UT and PT
BSD-C-2019	Acceptable	UT and PT. Indications noted by PT are acceptable per Table IWB-3514.3

### CATEGORY B-J (Continued)

Examination Area: Pressure Retaining Welds in Piping Examination Method: Volumetric (UT) and Surface (PT) or (MT) 4" and Over Diameter Pipe Size; Surface Only (PT) Less

Than 4" Pipe Size

ITEM NUMBER	RESULTS	REMARKS
BSD-C-2021	Acceptable	UT and FT
BSD-C-2025A	Acceptable	UT and PT
BSD-C-2027	Acceptable	UT and PT
BPR-C-5105	Acceptable	UT and PT
BPR-C-5109	Acceptable	UT and PT. Indications noted by PT are acceptable per Table IWB-3514.3
BPV-C-5003	Acceptable	UT and PT
BCH-C-2019	Acceptable	PT. Indications noted by PT were irrelevant as ified by retest
BCH-C-2019A	Acceptable	PT
BPD-C-4002	Acceptable	PT
BPD-C-4004	Acceptable	PT
BPD-C-4006	Acceptable	PT
BCH-C-1001A	Acceptable	PT
IF-C-70Y*	Acceptable	PT
IF-C-71Y*	Acceptable	PT

\*These examinations represent the completion of partial PT examinations reported on the 1988 refueling outage NIS-1 report. Instrumentation nozzle tube to flange #72, weld IF-C-72Y could not be completed due to permanent obstruction.

## CATEGORY B-K-1

Examination Area:	Integral Attachmercs Valves	for Piping, Pumps, and
Examination Method:	Surface (PT)	
ITEM NUMBER	RESULTS	K MARKS
PSLH-02	Acceptable	None
SIAA-04	Acceptable	None

### CATEGORY B-N-1

Examination Area:	Interior of Reactor	Vessel*
Examination Method:	Visual (VT)	
ITEM NUMBER	RESULTS	REMARKS
FBS	Acceptable	Flow baffle skirt welds. Note 10
KW-1 thru KW-4	Acceptable	Key ways. Note 10
ONB-1	Acceptable	Outlet nozzle boss at 0°. Note 10
ONB-2	Acceptable	Outlet nozzle boss at 180°. Note 10
SC-1 thru SC-6	Acceptable	Surveillance capsules. Note 10

Note: Visual indications (deformation of CEDM guide cones) were seen during reactor vessel closure head internal exam. These indications were evaluated by Engineering and determined to be acceptable.

Class 2 Examination Results

# CLASS 2 EXAMINATION RESULTS

## CATEGORY C-B

Examination Are	Pressure Retaining	Nozzle Welds in Vessels
Examination Method:	Surface (MT) and/or	r Volumetric (UT)
ITEM NUMBER	RESULTS	REMARKS
SG-1-FW-1	Acceptable	None

SG-1-FW-IR-1

Acceptable

Inner radius

## CAL CORY C-C

Examination Area:	Integral Attachmen Pumpe, and Valves	ts for Vessels, Piping,
Examination Method:	Surface (MT) (PT)	
ITEM NUMBER	RESULTS	REMARKS
SG-1-CC-3 thru SG-1-CC-8	Acceptable	Steam generator snubber support welds
402118	Acceptable	1-1/8" thick support plate to pipe weld

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IWF Examination Results

## IWF EXAMINATION RESULTS

## CATEGORY IWF

Examination Area:	Class 1, IWF Supports	
Examination Method:	Visual (VT)	
ITEM NUMB	RESULTS	REMARKS
PSLH-01	Acceptable	Note 1
PSLH-02	Unacceptable	Notes 1, 2, and 9.
PSLH-03	Acceptable	Note 1
PSLH-04	Acceptable	Notes 1 and 3
PSLH-05	Acceptable	Notes 1 and 3
PSLH-06	Acceptable	Note 1
PSLH-07	Acceptable	Notes 1 and 4
PSLH-08	Acceptable	Notes 1, 3, and 4
PSLH-09	Acceptable	Notes 1, 3, and 4
PSH-62	Acceptable	Note 10
PSH-64	Unacceptable	Notes 7 and 9
PSH-65	Acceptable	None
CVCH-30	Acceptable	Note 10
CCLH-05	Acceptable	Note 10
CCLH-06	Acceptable	Note 10
CCLH-02	Acceptable	None
CLDH-01	Acceptable	Notes 3 and 10
CVCA-02	Acceptable	None
CVCH-03	Acceptable	Note 10

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#### IWF EXAMINATION RESULTS (Continued)

Examination Area:	Class 1, IWF Suppor	ts
Examination Method:	Visual (VT)	
		T1 (23,7 & T1 27 (7
ITEM NUMBER	RESULTS	REMARKS
CVCH-04	Acceptable	Note 10
CVCH-06	Acceptable	Note 3
CLDH-09	Acceptable	Note 3
SIAA-04	Acceptable	Notes 3 and 10
SIAH-02	Unacceptable	Notes 5 and 9
SIAH-28	Acceptable	Note 6
SIAH-34	Acceptable	Note 6
SIAH-35	Acceptable	Note 6
SIBA-05	Acceptable	None
SIBH-04	Acceptable	Notes 3 and 6
SICS-06	Acceptable	Note 10
SIDH-05	Acceptable	Note 11
SDCH-01	Acceptable	None
SDCH-02	Acceptable	Notes 3 and 10
SDCS-01	Acceptable	Note 10
PSH-38	Acceptable	Note 10
PSH-40	Acceptable	Notes 3 and 10
FSH-41	Acceptable	Notes 3 and 10
PSH-63	Acceptable	Note 10
PSH-24	Acceptable	None

### IWF EXAMINATION RESULTS (Continued)

Examination Area:	Class 1, IWF Supp	orts
Examination Method:	Visual (VT)	
ITEM NUMBER	RESULTS	REMARKS
408009	Acceptable	None
408010	Acceptable	Note 10
PSVS-08	Acceptable	Note 10
408001	Acceptable	Note 10
408002	Acceptable	None
408004	Acceptable	None
PSH-03	Acceptable	Notes 3, 4, and 8
PSH-06	Acceptable	None
PSH-60	Acceptable	Note 10
PSH-61	Acceptable	None

#### IWF EXAMINATION RESULTS

Examination Area:	Class 2 IWF Support	S
Examination Method:	Visual (VT)	
	5.5.4.11 B.0	DTMATIVO
ITEM NUMBER	RESULTS	REMARKS
SG-1-CC-3	Acceptable	Note 3
3G-1-CC-4	Acceptable	Note 3
SG-1-CC-5	Acceptable	Note 3
SG-1-CC-6	Acceptable	Note 3
SG-1-CC-7	Acceptable	Note 3
SG-1-CC-8	Acceptable	Note 3
302034	Acceptable	Note 10
302035	Acceptable	None
402064	Acceptable	Notes 3 and 10
402111	Acceptable	Note 10
402114	Acceptable	None
402116	Acceptable	Note 3
402123	Acceptable	None
40205	Acceptable	None
402058	Acceptable	None
402060	Acceptable	Note 3
402073	Acceptable	None
402082	Acceptable	None
402038	Unacceptable	Notes 7 and 9
402041	Acceptable	None

#### IWF EXAMINATION RESULTS (Continued)

Examination Area:	Class 2 IWF Support	8
Eramination Method:	Visual (VT)	
ITEM NUMBER	RESULTS	REMARKS
402105	Acceptable	None
402026	Acceptable	None
402028	Acceptable	None
402053	Acceptable	None
402061	Acceptable	Note 3
402100	Acceptable	Note 10
402102	Accoptable	None
404015	Acceptable	Notes 3 and 10
MSR-2	Acceptable	Notes 3 and 10
412007	Acceptable	Notes 3 and 10
380080	Acceptable	Note 3
402065	Acceptable	Note 10
402066	Acceptable	Note 10
402098	Acceptable	None
402108	Acceptable	Notes 3 and 10
402121	Unacceptable	Notes 7, 9, and 10
402122	Acceptable	Notes 3 and 10
502016	Acceptable	Note 10

#### IWF EXAMINATION REFULTS (Continued)

Examination Area:	Class 2 IWF Support	S
Examination Method:	Visual (VT)	
ITEM NUMBER	RESULTS	REMARKS
502030	Unacceptable	Notes 7, 9, and 10
502031	Acceptable	Note 10
502033	Acceptable	Note 10
302040	Acceptable	None
380278	Unacceptable	Notes 7. 9, and 10
402088	Acceptable	Note 10
402089	Acceptable	None
410033	Acceptable	Notes 3 and 10
410066	Acceptable	None
510025	Acceptable	None
402077	Acceptable	Note 10
502012	Acceptable	Note 10
502032	Acceptable	None
302083	Acceptable	Note 8
402002	Unacceptable	Notes 7, 9, and 11
402008	Acceptable	Note 8
402009	Acceptable	Note 8
402086	Acceptable	None
402093	Acceptable	Note 8
402094	Acceptable	Note 8

#### IWF EXAMINATION RESULTS (Continued)

Examination Area:	Class 2 IWF Support	S
Examination Method:	Visual (VT)	
1TEM NUMBER	RESULTS	REMARKS
402120	Unacceptable	Notes 7, 9, and 10
502019	Acceptable	Notes 3 and 10
402006	Unacceptable	Notes 7 and 9
402007	Acceptable	Note 3
402020	Acceptable	Notes 3 and 8
402023	Unacceptable	Notes 7 and 9
402048	Acceptable	Note 3
402049	Acceptable	Note 3
402118	Acceptable	Note 10
402097	Acceptable	Note 8

#### NOTES

#### CLASS 1 AND 2

COMPONENTS

- Note 1: This support was examined in accordance with the commitment made to address the concerns on NRC Bulletin #88-11.
- Note 2: This support had one loose nut and, therefore, rejectable. The requirements of IWF-2430 have been met since the examination program included the total population of supports associated with the pressurizer surge line.
- Note 3: Visual indications were noted but determined to be acceptable within the limits of IWF-3400 by Engineering.
- Note 4: These supports were also examined for second interval, second period credit.
- Note 5: This safety injection support was noticed (examined) during the pressurizer surge line support examinations. It was not scheduled for ISI examination nor covered by NRC Bulletin #88-11. We did however, augment the ISI examination plan to include several other safety injection supports.
- Note 6: Safety injection system supports examined per Note 5, augmented program.
- Note 7: The expanded program requirements of IWF-3400 have also been met.
- Note 8: Added to ISI/NDE work plan in accordance with the requirements of IWF-2430 (a) or (b).
- Note 9: Class 1 and 2, component supports were corrected in accordance with standard component maintenance procedures.
- Note 10: Creditable item to the first period, second ten-year interval.
- Note 11: Added to ISI/NDE work plan in accordance with the requirements of IWF-2420(b).

Section 11

Corrective Measures Recommended And Taken

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Identificatio	on of System	REACTO	E COPL	9 65	Edition,	569	Addenda, Code	Cases
(a) Applica	ble Construc	Carolon VIIII	lized for R	equirs or FL	eplacements -	- 19 80 1	NB1 Addenda, Cod	de Cases
Identificati	on of Compo	onents Flepaired	Nat'l.	CRN	Other	Year	Repaired,	ASME Code
Name of omponent	Name of Mfr.	Mfrs. Ser. No.	Bd.	No.	Identi-	Euilt	Replaced,	Stamped (Yes or No)
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2. Plant Po. Pviv	MILLS	TONE (Name)	0638		Unit	2		
3. Work Perto	rmed by <u>P</u>	TISBURGH Macan	EPA.	ant-	STEAN	1 GEN	- 89-00489 1 m	
5. (a) Applic	able Constru	of Section XI Utionents Repaired of	lized for R	epairs or Pi	eplacements -	- 19.80	Addenda, Cade Ci WB1 Addenda, Cade	ases
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Date 3-1	21-59		(Inspec	107)	Comn	nissions	(State of Piptince, N	alional Beard)

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2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

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

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## FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

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#### FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT Ar Required by the Provisions of ASME Code Section XI

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<ul> <li>B. Tests C</li> <li>S. Remark</li> <li>We certify t</li> <li>ASME Code</li> <li>Signed</li> <li>1, the unde</li> <li>or Province</li> <li><u>MPRT</u></li> <li>and state t</li> <li>the ASME</li> </ul>	Applicable Manu hat the statement (Owner or Owner or Ow	Hydrostatic LJ Pressure <u>construction</u> itaciurer's Data Fiep nts made in this <u>Construction</u> nts made in this <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u>	CERT report are c CERT report are c CERT report are c CER ission issue , empl the <u>RCP//</u> [Hepair ge and belief ite, neither t	TEMP. TE	OF COMP this Reg exclusion E OF INSPI ational Boa HSR desc ment(s)) r or replacem or nor his em ore neither t	Fre - LIANCE Cate me (Date) ECTION rd of Boile T d tribed in this hent has bee ployer mak he Inspecto	r and Pressure Vessel s Fleport on m constructed in accor r on his employer sha	Inspectors and the Standard Ministry 194
B. Tests C S. Remark We certify t ASME Code Signed 1, the under or Province <u>Man T</u> and state t the ASME ing the rep for any per	Applicable Manu hat the statement (Owner or Owner or Ow	Hydrostatic LJ Pressure <u>construction</u> itaciurer's Data Fiep nts made in this <u>Construction</u> nts made in this <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u> <u>Construction</u>	CERT report are c CERT report are c CERT ceport are c CER ceport are c ceport are c	Temp. Temp. Temp. Temp. Temp. Temp. Toda Trute TIFICATE orrect and Tutie TIFICATE orrect and TUTE TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and Tutie TIFICATE orrect and orrect and	oF COMP this Reg E OF INSP (ational Boa HSR desc ment(s)) r or replacem or nor his em ore, neither t arising from	Fre - LIANCE Cate me (repair or repla (Date) ECTION rd of Boile T d cribed in thi ment has bee poloyer mak the Inspecto or connecte	r and Pressure Vessel r and Pressure Vessel f Z r constructed in accor r nor his employer sha d with this inspection. CT/1/9	Inspectors and the Sta F.F., 192 dance with Section XI essed or Implied, conce III be liable in any man

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Note: Supplemental shuets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., Note: Supplemental shuets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is r imbered and the number of sheets is recorded at the top of this form.

		As Requi	ired by the	e Provisio	ns of ASME	Code Ser	ction XI	
1. Owner_N P.O.	ortheast Box 128	Nuclear E Waterford	nergy ( ""Ct.	Company 06385		Det	re	8-8-
2. Plant	Millstone Box 128 W	aterrord.	t. Of	5385	Unit	4	2	2007
4. Identifica 5. (a) Appli (b) Appli	tion of System cable Construct	theast Nu Box 120 (Adam for Cude f Section XI Uti hents Repaired of	HUE 1	9 E epairs or R	2 Edition,	- 1982,.	MZ - 88 - P.O. No., Job No., etc. Addenda, Code ( CU 87 Addenda, Cod	Cases
Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASNIE Code Stansped (Yes or No)
2.1.15-190A	Cepes Dekan	71/6 - 45210 -1-1		Newson of the second se	Amazonia o gono o concesso da seconda de la concesso de la conce	70	Repund / Replaced	Yes
B. Tests Cor	nducted: H Pr	Verostatic D essure <u>5 00</u> inturer's Data Repor	Pneumatic psi Test	Temp. 23	ninal Operatir	ng Pressure	Deplaced disk Dother D	& Sea F
Barrowicz og Bernellender av sen for	alana kana at ay kana ay kana ana ay kana ana ay Mana kana ay kana ay kana ay kana ang kana ang kana ang kana a	หมายของสารสาร เขาสารสารสารสารสารสาร สารารถอาณีประการสารสารสารสารสารสาร			OF COMPL			
We certify tha ASME Code Signed	t the statement	0 0	eport are co Lan 2	Eng	Supr	PEPI epair or replace Date)	Encenter conform	is to Section XI of the
			CERT	IFICATE	OF INSPE	CTION		
or Province of MANTRON	CT dh	ave inspected th	e	or Replacem	HS3 -	$Z \neq Z$ bed in this	and Pressure Vessel Ins Report on	, 1925
the ASME Co ing the recair for any person	de. By signing or replacement hal injury or pro	this certificate, described in the operty damage of	, neither thi is Report. F ir a loss of a	e Inspector Furthermor iny kind ar	nor his empl e, neither the ising from or	over make: Inspector connected	constructed in accordant s any warranty, expresse nor his employer shall b with this inspection.	e liable in any manner
Date	10/88	- te	linspecty	F	Commi	ssions	CT // IG Blate or Province, Na	itional Board)

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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is B½ in. X 11 in., (2) information in items 1 through 4 on this data 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.

		As Requ	ired by the	e Provisio	ns of ASMI	E Code Sec	ction XI	
P.0. Plant P.0.	Northeast Box 128 Millstone Box 128 W formed by Nor	Waterford,	( <sup>me)</sup> Ct. <sup>dress)</sup> , Ct. D( uclear	06385 5385 Energy	Unit Co. At	She	не <u>8/26/8</u> не <u>2</u> 12 - 67 - 4 Р.О. No., JOD NO., етс.	/
(a) Appl (b) Appl	ition of System.	Servic tion Code B.	e Wa 3/./ 1 tilized for R	Fer 19 73 epairs or R	Edition	- 19 20.	Addenda, Code C 2087 Addenda, Code	Cases
Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (Yes or No)
-540-8.1 <i>[</i> 5	Kieley y	5				1923	Replecement	No
	Pi	Ydrostatic D ressure 60	Pneumatic psi Test	Terrip Z	ninal Operati	ng Pressure	Dither	
We certify the ASME Code Signed	at the statement	is mr.3e in this r		rrect and th	Supr.	PLACEM		s to Section XI of t
or Province o	· CT		sion issued	by the Na	HSR	d of Boiler	and Pressure Vessel Ins	pectors and the St
HARTFee and state the the ASME Co ing the repair	to the best of ode. By signing r or replacement mal injury or pro	ave inspected the my knowledge this certificate to described in the section of th	he <u>Repairs</u> (Repairs and belie!, c, neither two his Report. F or a loss of a	or e an e	descri ent(s)) or replaceme nor his emp e, neither th ising from or Comm	ibed in this ont has been loyer makes a Inspector r connected issions	Report on constructed in accordar any warranty, expresse nor his employer shall b with this inspection. 7 /// 9 Giate or Province, Na Diate is 8% in, X 11 In.	d or implied, conce e liable in any man

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	F	ORM NIS-2 O As Requi			OF REPAI			
P.0.	Box 128	Nuclear E Waterford	nergy (	Company 06385	1	Date	1	59
Plant P.O.	Box 128 W	aterrord,	Ct. 0	6385	Unit		2	
Work Perf	ormed by Nor P.0	theast Nu . Box 128	clear   Water	Energy ford, (	t. Repairs	COO - N Organization P.	12-88-11 O NO., JOD NO., etc.	60%
(a) Applia	cable Construct	Act Y Jack iton Code Add f Section XI Uti ments Repaired of	lized for R	epairs or R	eplacements -	- 19 92, 1	Addenda, Code ( 2/57_Addenda, Cod	Cases 2 Cases
Name of omponent	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ru-12-B	P. Third DS MORZILL	12692				1971	Repaired	Y
C	Pr	Vio di Field vdrostatic essure 1000 cturer's Data Papor	.psi Test	Temp.	ninal Operation	France 2 ng Pressure 2	<u>br-x Flauge A</u> & Other D	<u>Aregit Flexba</u>
		an a ta an				1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1996 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		
ve certify that SME Code igned	t the statement	s made in this re		orrect and t				ns to Section XI of the
		1999 CARENT (1997) 1997 CARENT (1997)			OF INSPE			
Province of	CT.		emple	over by	HSB -	I a .		spectors and the Stat.
the ASME Co	to the best of de. By signing or replacement	my knowledge this certificate described in th	and belief, , neither th is Report. I	this repair le inspector Furthermol	or replecement r nor his employed re, neither the	oyer makes Inspector n	any warranty, express	nce with Section XI of ed or implied, concern- be liable in any manner
A 1	2189	_	1.11 1		Commi	11	1111	

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			As Requ	ired by the	e Provisio	TIS OT ADIVID	E Code Sec		nin onango kalaktoren 1 kz. 4840 (s. 1 kara 1 Milando Kalaktoren Kalaktoren Kalaktoren Kalaktoren Kalaktoren Ka
1. 2.	P.0. Plant P.0.	Box 128 Millstone Box 128 V	laterrord,	oress) , Ct. Of	06385 5385	Unit	ere er en	2 000417	
3.	Identificat	ion of Sustem	(Add	1855)				- 8 - 0841 -	
Б. б.	(a) Appli (b) Appli	cable Construct cable Edition of	tion Code	ilized for R	epairs or R	eplace ents	- 19	Addenda, Code	Cases
	ime of aponent	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-/	ru-12A	A Mairil	12692				1971	Regard	Y
-									
7. 8. 9.	Domarks	P	ydrostatic D ressure <u>Kop ()</u> acturer's Data Repo	psi Test	Temp. //	Sig Quing ninal Operation	ng Pressure	5 Other	Hey haske
				eport are co	rrect and t			ement) 7/27,19.57	ns to Section XI of the
			<u>an na anana ao amin'ny far</u> ana amin'ny farana			OF INSPE			
	he undersi Province of DATESA C	CT	a valid commis	, emplo	yed by A	SR I	1	and Pressure Vessel In Report on $\frac{7/22}{2}$	spectors and the State
the	ASME Co the repair	to the best of de. By signing or replacement	f my knowledge this certificate t described in th	[Repair(s and belief, t, neither th his Report. F	this repair e Inspector urthermor	or replaceme nor his emp e, neither the	int høs been i loyer møkes e Inspector r	constructed in accorda any warranty, express	nce with Section XI o ed or implied, concern be liable in any manne

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(2) information in items 1 through 4 on this data 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 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI 2/24/89 Owner NOATHEAST HUCLEAR ENERGY CO Date. P.C. BUX 128, WAIERFORD, CT 06385 Sheet MILLSTONE Unit\_ Plant P.O. BOX 128, WATERFORD, CT 06385 Work Performed & NO ETHEAST NUCLEAR ENERGY CO WORK ORDER M2-89-0142 Repair Organization P.O No., Job No., etc. WATERFORD, CT. REACTOR CONTAINMENT HATCH STRUCTURE Identification of System\_\_\_\_ PER 2266 7604-6-SC d. Addenda, Code Cases \_ NA (a) Applicable Construction Code \_\_\_\_ 19\_\_\_\_ Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements – 1982583 Addenda, Code Cases . Identification of Components Repaired or Replaced, and Replacement Components ASME Code Repaired, CRN Other Year Mfrs. Ser. Nat'l. Name of Name of Stamped Replaced, Identi-Built Bd. No. No. Mfr. Component (Yes or No) fication or NO. Replacement CONTRACT CONTRI NMENT NO 1971 REPLACEMENT CBII -69-5709 WAR HATCH MARW 21 Description of Work WELDED ATTACHMENT OF NON PRESSURE RETAINING, NON STRUCTURAL PLATE ASSYS 7 Hydrostatic Pneumatic 🗭 Nominal Operating Pressure 🗋 Other 🖸 Tests Conducted: 8 Pressure 54 psi Test Temp. AMB "F CERTIFICATE OF COMPLIANCE REPLACEMENT conforms to Section X1 of the correct and this We cortify that the statements made in this report are trepair or replacement) ASME Code Sioneo (Date CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State HER TO employed by. or Province of\_ 4-17 89 have inspected the Replacement \_described in this Report on . HANTFIND [Perpair(s) or Replacement(s)] and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report, Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. 1:19 4-17-29 Commissions

ACP-DA-2 Rev. 0

Page 19

(State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (2) each sheet is numbered and the number of sheets is recorded at the top of this form.

(Inspector)

Oate

#### FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

1. Owner_	Northeast	Nuclear E	nergy	Com .ny	1	Dat	+/2.5/81	2
P.0.	Box 128	Waterford	f, Ct.	06385		She	et of	1
2. Plant P.O.	Millstone Box 128 W		, Ct. 0	6385	Unit		2	
	dates reports to deal	and the second design of the	CONTRACTOR ADDRESS AND ADDRESS ADDRESS ADDRESS ADDRESS	and the second			12-58-1257	23
5. (a) App (b) App	linghla Magernia	ion Code ASA	tilized for F	19 Repairs or R	Edition eplacements	- 19_52.	Addenda, Code <u>CUT</u> Addenda, Code	Cases
Name of Component	Name of Mtr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Fer-Tube Flange	FAUGSTRIAL Extensional Contension	~ 17	14	12.4	N;9	1974	Replacement	lio
					1			
8. Tests C		drostatic	Pneumatic	Non	ninal Operati	ng Pressure	L Other L	
9. Remark	Applicable Manuta	and the start	mil struck	15 41117	2 101	ARphie	S S S S S S S S S S S S S S S S S S S	( SURVETLE MULT
Manager and Annual Street of Street S			0507	FLOATE	OF COMPL	LANCE		
We certify th ASME Code Signed	T. Bl.	s made in this r	eporyare ci	orrect and t	his repl	ALEME	n 4 conform ements 12.5, 19.59	ns to Section XI of the
	and an and file constraints of a second s		CERT	IFICATE	OF INSPE	CTION		
I, the under	of CT		, emplo	oyed by	NG	IC-	a Na manana kata na manana kata kata kata kata kata kata kata	spectors and the State
HANTPS	-dh	ave inspected th	he Replac	Nor Replacem	descri	bed in this	Report on	. 19 . 19 . 7
the ASME (	at to the best of Code. By signing ir or replacement	my knowledge this certificate described in th	and belief, , neither th his Report.	this repair ne Inspector Furthermor	or repliceme nor his emp re, neither th	nt has been loyer makes e inspector r	constructed in accordation any warranty, expressed	nce with Section X1 of d or implied, concern- de liable in any manner
Date 5-	19-85	R	Inspecto	D(7)	Comm	issions <u>C</u>	State or Province, Na	ational Board)

Note: Supplemental sheets in form of lists, sketches, or Grawings may be used, rovided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data 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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		As Requ	ired by the	Provision	as of ASME	Code Sec	tion XI	
P.0.	ortheast Box 128	Waterford	", Ct.	06385		Dat	·	89
Plant P.O.	Millstone Box 128 W	aterford,	Ct. 06	5385	Unit		42 50	11227
3. Work Perf	tion of System.	Box 122	Iclear E B <sup>e</sup> Watert	ford, C	t. Repair	0rganization F	MZ - F8 - 1 NO. JOD NO., etc.	1661
5. (a) Appli	tion of System. cable Construct cable Edition o tion of Composition	f Section XI Ut	tilized for Ri	epairs or R	Edition eplacements acement Con	- 1992	Addenda, Code 40.87 Addenda, Co	de Cases
Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
n, (505×-44)	G.E			Second on the second se	The second secon	1971	Replace -	No
					<u> </u>			
8. Tests Cor	on of Work nducted: H 72372 (Applicable Manuf	ydróstatic LJ ressure_ <u>60</u>	Pneumatic psi Test	Temp. Z	ninal Operati	ing Pressure	C Other C A PROX DIX 'J	. /
We certify the ASME Code. Signed	1/4/	is made in this is a second seco	report are co	prrect and t	DF COMPI his vep	Vepair or repla	cement) SZ, 19.59	rms to Section XI of t 2
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data 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.