NUSCO

IN-SERVICE INSPECTION REPORT

CLASS 1, 2, SYSTEMS

AND

IWF - SUPPORTS

MILLSTONE NUCLEAR POWER STATION

UNIT 2

WATERFORD CONNECTICUT 06385

OWNER:

Northeast Nuclear Energy Company

P. O. Box 270

Hartford Connecticut 06101

Commercial Service Date:

December 26, 1975

Report Date: 9/27/95 1995

Prepared By: Lloyd D. Baird
Lloyd D. Baird
MP-2 ISI Coordinator

Reviewed By: John W. Riley 10/13/95
John W. Riley
Manager, Technical Support

Approved By: R. DeBarba 10/13/95
Raymond P. Necci
Director, MP-2 Engineering

SECTION 1

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NUSCO

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SECTION 2

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. Box, Hartford, CT 06141
(Name and Address of Owner)

2. Plant Millstone Nuclear Power Station, P.O. Box 128, Waterford, CT 06385
(Name and Address of Plant)

3. Plant Unit #2 4. Owner Certificate of Authorization (if required) N/A

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

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RV Internals Visual Exam	M--CE	67110	N/A	20914
RV Welds	M--CE	67110	N/A	20914
Loop Piping Welds	M--Bechtel	502-19	N/A	N/A
RV to Head Bolting	M--CE	N/A	N/A	N/A
Class 1 Pump/ Valve Bolting	Various	N/A	N/A	N/A
Class 1 Piping Welds	Various	N/A	N/A	N/A
Class 2 Piping Welds	Various	N/A	N/A	N/A
Class 1, 2 & 3 Supports	Various	N/A	N/A	N/A
Aux Feedwtr Supports	Various	N/A	N/A	N/A
Vessel Welds	Various	N/A	N/A	N/A
Hydros	Various	N/A	N/A	N/A
Leak Tests	Various	N/A	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ in. x 11 in., (2) information in items 1 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

FORM NIS-1 (back)

8. Examination Dates 7/28/94 to 8/2/95 9. Inspection Interval from 12/26/85 to 12/26/96

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See Sections 8, 9, and 10 of the attached report for Class 1, Class 2 and IWF support examination results, respectively.

11. Abstract of Conditions Noted.
See Section 7 of the attached report.

12. Abstract of Corrective Measures Recommended and Taken
See Section 11 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.

Date SEPTEMBER 27 19 95 Signed Northeast Nuclear Energy Co. By Lloyd D. Baird
Owner ISI COORDINATOR

Certificate of Authorization No. (if applicable) - NA - Expiration Date - NA -

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 Connecticut and employed by The Hfd Stm Blr I&I Co of Hartford, CT have inspected the components described in this Owners' Data Report during the period 28 Jul 1994 to 02 Aug 1995, 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 13 October 1995

Elizabeth York / Elizabeth York Commissions CT 1137 NB 9384
Inspector's Signature National Board, State, Province and No.

1. Owner: Northeast Nuclear Energy Company, P.O. Box 270, Hartford, CT 06141
(Name and Address of Owner)

2. Plant: Millstone Nuclear Power Station, P.O. Box 128, Waterford, CT 06385
(Name and Address of Plant)

3. Plant Unit: 2 4. Owner Certificate of Authorization (if required): N/A

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

SECTION 3

ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

81W	- ASME Section XI, Winter 1981 Addenda
ANII	- Authorized Nuclear In-Service Inspector
AR	- ANII Review
Cal. Block	- UT Calibration Block
CEDM	- Control Element Drive Mechanism
ICI	- In-Core Instrumentation
ISI	- In-Service Inspection per ASME Section XI
RFO #12	- Refueling Outage #12
LP	- Liquid Penetrant
MT	- Magnetic Particle Examination
MP	- Magnetic Particle
MP-2	- Millstone Point Unit #2
MP-3	- Millstone Point Unit #3
NU	- Northeast Utilities
NUSCO	- Northeast Utilities Service Company
PR	- Plant Reviewer
PT	- Liquid Penetrant Testing
UT	- Ultrasonic Testing
VT	- Visual Examination

SECTION 4

INTRODUCTION

INTRODUCTION

1. During the Millstone Unit 2, Refueling Outage #12, the reactor vessel 10 year inservice examination was performed. The ultrasonic examinations were conducted by Southwest Research Institute and the visual examinations were conducted by ABB/Amdata and Southwest Research Institute.

2. 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.

3. The above examinations were conducted during:

   - A mid cycle shutdown in 1994, to install oil drip pans on the reactor coolant pumps. At this time we performed the volumetric and surface examinations on the reactor coolant pump flywheels in accordance with Reg. Guide 1.14.

   - Several IWF category supports were visually examined for Code credit prior to the start of RFO 12.

   - From July 28, 1994 through August 2, 1995, the remainder of ASME Section XI, Second Interval visual, surface and volumetric in-service examinations were completed as listed herein.

4. All records, examination data sheets, personnel certificates, and equipment and material certificates for the examinations performed are on file at the Millstone Nuclear Power Station, Unit 2.

5. Preservice examinations, when applicable, will be identified by Note #2, or a specific note, pertaining to the particular item listed in Sections 8, 9, or 10 of this report.

6. Reactor Coolant Pump "B" motor was changed this outage. Reg. Guide 1.14 examinations were performed on this pump flywheel, prior to installation, of the new motor.

7. For detailed examination information, please refer to the notes listed in the Examination Results section of this report.

SECTION 5

PROCEDURES AND PERSONNEL QUALIFICATIONS

PROCEDURE LIST

ABB/AMDATA

NUMBER	REV.	TITLE
NUSCO AMD-013	0	ECT OF REACTOR COOLANT PUMP FLYWHEELS

NORTHEAST UTILITIES

NUMBER	REV.	PCNs	TITLE
NU-LP-1	11	1,2,3,4	LP EXAM COLOR CONTRAST SOLVENT REMOVABLE
NU-LP-1	12	1	LP EXAM COLOR CONTRAST SOLVENT REMOVABLE
NU-LW-1	3	--	UT EXAM CLAD CARBON, CARBON, AND/OR STAINLESS STEEL BUTT WELDS
NU-MP-1	10	1,2	MP EXAM YOKE METHOD
NU-MP-3	2	1	MP EXAM THROUGH PAINT COATINGS
NU-MP-4	0	1,2	MP EXAM DIRECT CONTACT, CENTRAL CONDUCTOR, AND COIL WET FLUORESCENT METHOD
NU-UT-1	11	1,2,3,4	UT GENERAL REQUIREMENTS
NU-UT-2	11	1,2	UT EXAM AUSTENITIC AND DISSIMILAR METAL WELDS
NU-UT-3	8	1,2,3	UT EXAM FERRITIC PIPING WELDS
NU-UT-5	7	--	UT EXAM THICKNESS MEASUREMENTS
NU-UT-7	6	1	UT EXAM VESSEL WELDS
NU-UT-17	6	--	UT EXAM NOZZLE TO SAFE END WELDS
NU-UT-21	6	--	UT EXAM REACTOR COOLANT PUMP FLYWHEELS
NU-UT-23	6	1	UT EXAM COMPONENT BOLTS AND STUDS
NU-UT-26	4	1,2	PRIMARY COOLANT PIPING WELDS
NU-VE-1	0	1	VISUAL EXAM (VT-1)
NU-VE-2	0	1,2,3	VISUAL EXAM (VT-2) SYSTEM HYDROSTATIC AND LEAKAGE PRESSURE TESTS
NU-VE-3	0	--	VISUAL EXAM (VT-3)
SP 21144	3	1	UNDERWATER VISUAL INSPECTION OF THE REACTOR VESSEL

PROCEDURE LIST

RUST/CRAMER & LINDELL

NUMBER	REV.	TITLE
RT-020	0	SPECIAL PROCESS SPECIFICATION RADIOGRAPHIC EXAMINATION OF WELDS

SOUTHWEST RESEARCH INSTITUTE

NUMBER	REV.	TITLE
MIS-AUT14	1	AUTOMATED ULTRASONIC EXAMINATION OF PRESSURE RETAINING WELDS
MIS-AUT15	1	AUTOMATED INSIDE SURFACE UT EXAM OF FERRITIC VESSELS GREATER THAN 2" IN THICKNESS

PERSONNEL CERTIFICATIONS

ABB/AMDATA

NAME	METHODS/LEVELS						EXP DATE EYE CERTS
	VT	PT	UT	MT	RT	ECT	
D. L. ARMSTRONG		II	I	II			09/14/95
C. M. ELLIOTT		II	III	II			06/17/95
J. C. GRIGSBY	II	II	II			II	03/08/95
A. R. KETTEL		II		II			09/29/95
L. D. KIDD	II		III				02/28/95
H. T. MASTER	II						10/02/95
R. K. McDONALD	II	II	II	II			08/22/95
M. A. McKAIG	III	III	III	III			12/21/94
W. R. MURCH	II	II	I	II			01/12/95
S. W. NEWBOLD	III	III			III		08/12/95
G. A. POOLER	II	II	II				03/29/95
D. PROCTOR						II	02/08/95
C. E. SHAW			II				09/09/95
K. R. SMITH	II	II	II				11/03/94
F. M. SUCHAR	II	II		II			01/12/95
P. M. TALBOT		II	II	II			09/20/95

NORTHEAST UTILITIES

NAME	METHODS/LEVELS						EXP DATE EYE CERTS
	VT	PT	UT	MT	RT	ECT	
S. DUPLANTIS	II	II	II	II			12/05/95
T. LAWRENCE	III					II	09/08/95
R. PFANNENSTIEL		III	III	III	III		07/01/95
T. QUINLEY	II						10/26/95
J. TYROL	II						02/28/96
R. WITTMER						III	03/24/95
J. HECHT	III	III	III	III			01/03/95

PERSONNEL CERTIFICATIONS

RUST/CRAMER & LINDELL

NAME	METHODS/LEVELS						EXP DATE EYE CERTS
	VT	PT	UT	MT	RT	ECT	
J. JACOBSON					I		11/14/95
J. MATYAS	II	II		II			11/17/95
R. MOSTOWY					II		12/23/95
P. NEIDIG					II		12/23/95

SOUTHWEST RESEARCH INSTITUTE

NAME	METHODS/LEVELS						EXP DATE EYE CERTS
	VT	PT	UT	MT	RT	ECT	
J. DELGADO	II		II				01/21/95
H. DIAZ	III		III				05/19/95
E. ESCOBEDO	III		III				11/08/94
P. GAINES	II		II				01/06/95
B. HARDISTER	ITR		II				12/29/94
M. KLEINJAN	II		II				01/19/95
C. LITTLEFIELD	II		II				04/07/95
S. MARIN	II		II				11/24/94
S. RICHTER	ITR		ITR				12/27/94
R. SPIVEY	II		II				06/02/95
S. TIJERINA	ITR		ITR				01/14/95
P. TURNER	II		II				03/07/95
J. WARDWELL	II		II				03/16/95

SECTION 6

EQUIPMENT AND MATERIAL LIST

EQUIPMENT AND MATERIAL LIST

ULTRASONIC TRANSDUCER

SERIAL NUMBER	FREQUENCY	SIZE	MANUFACTURER
C-5642/C-5643	1.00 MHz	1.0" X 1.25"	ABB AMDATA
H5238	2.25 MHz	1.00"	ABB AMDATA
29	2.25 MHz	0.75"	HARISONIC
306	5.00 MHz	0.75"	HARISONIC
17209	1.50 MHz	0.375"	KBA
24651	2.25 MHz	0.25"	KBA
24738	2.25 MHz	0.25"	KBA
33781	2.25 MHz	0.375"	KBA
53125	3.50 MHz	0.25"	KBA
78631	5.00 MHz	0.375"	KBA
D17695	2.25 MHz	0.75"	KBA
E30937	2.25 MHz	1.0"	KBA
F16223	2.25 MHz	0.5"	KBA
G15615	2.25 MHz	0.5" X 1.0"	KBA
G15624	2.25 MHz	0.5" X 1.0"	KBA
H21925	5.00 MHz	0.25"	KBA
K16415	2.25 MHz	1.0"	KBA
L26186	5.00 MHz	0.375"	KBA
90442	2.25 MHz	0.25" X 0.50"	MEGASONICS

SOUTHWEST RESEARCH INSTITUTE

ULTRASONIC TRANSDUCER LIST

SERIAL NUMBER	FREQUENCY	SIZE	MANUFACTURER
D0521	2.25MHz	1.00"	AEROTECH
3262	2.25MHz	1.00"	SONATEST
3263	2.25MHz	1.00"	SONATEST
3264	2.25MHz	1.00"	SONATEST
3265	2.25MHz	1.00"	SONATEST
3266	2.25MHz	1.00"	SONATEST
ST1151	2.25MHz	1.00"	SONATEST
2512	2.25MHz	1.00	SwRI
3151	2.25MHz	1.00"	SwRI
3371	2.25MHz	.25" x 1.00"	SwRI
3991	2.25MHz	.25" x .50"	SwRI
4011	2.25MHz	.375" Dual	SwRI
4015	2.25MHz	.25" x 1.00"	SwRI
4039	2.25MHz	.25" x 1.00"	SwRI
4049	2.25MHz	.375" Dual	SwRI
4059	2.25MHz	.25" x 1.00"	SwRI
4060	2.25MHz	.25" x 1.00"	SwRI
4166	2.25MHz	1.00"	SwRI
4170	2.25MHz	1.00"	SwRI
4173	2.25MHz	1.00"	SwRI
4243	2.25MHz	.375"	SwRI
4352	2.25MHz	.25" x .50"	SwRI
4519	2.25MHz	.375" x 1.00"	SwRI
4520	2.25MHz	.375" x 1.00"	SwRI
4522	2.25MHz	.375" x 1.00"	SwRI
4523	2.25MHz	.375" x 1.00"	SwRI
4524	2.25MHz	.375" Dual	SwRI
4525	2.25MHz	.375" Dual	SwRI
4526	2.25MHz	.375" Dual	SwRI
4527	2.25MHz	.375" Dual	SwRI
4533	2.25MHz	.25" x 1.00"	SwRI
4536	2.25MHz	.25" x 1.00"	SwRI
4543	2.25MHz	.375" Dual	SwRI

EQUIPMENT AND MATERIAL LIST

CALIBRATION BLOCK LIST

NORTHEAST UTILITIES

CAL. BLOCK # M2-	DRAWING 25203-29449	REVISION
UT- 3	SHEET # 6	1
UT- 8	SHEET # 2	1
UT-15	SHEET #30	4/5
UT-16	SHEET #31	1
UT-20	SHEET # 3	1
UT-27	SHEET #20	1
UT-28	SHEET #28	1
UT-29	SHEET #22	1
UT-32	SHEET #24	2
UT-60	SHEET #60	1
DRAWING #25203-28409		
UT-50	PART #40	4

OTHERS

ITEM	SERIAL NUMBER	NOTE
(FOR ECT)	TB-2A	NONE
IIW REFERENCE BLOCK	93-7237	NONE
IIW REFERENCE BLOCK	93-7231	NONE
IIW REFERENCE BLOCK	93-7230	NONE
IIW REFERENCE BLOCK	91-5928	NONE
IIW REFERENCE BLOCK	91-5927	NONE
RCP FLYWHEEL	NONE	NONE
ROMPAS BLOCK	94-7426	NONE
ROMPAS BLOCK	94-7425	NONE
ROMPAS BLOCK	93-7227	NONE
ROMPAS BLOCK	6095-83	NONE
STEPWEDGE	85-4120	NONE
STEPWEDGE	94-7593	NONE
STEPWEDGE	94-7591	NONE
THERMOMETER	2524	NONE
THERMOMETER	2532	NONE

SOUTHWEST RESEARCH INSTITUE

ULTRASONIC CALIBRATION BLOCKS

CAL BLOCK # M2-	NU DRAWING 25203-29449-	SwRI CAL. BLOCK REFERENCE #
UT- 1	SHEET 8	D-2534-027
UT- 2	SHEET 7	D-2534-032
UT- 4	SHEET 5	D-2534-033
UT- 8	SHEET 2	D-2534-028
UT- 9	SHEET 27	D-2534-029
UT-10	SHEET 26	D-2534-030
UT-15	SHEET 30	D-2534-031A

SOUTHWEST RESEARCH INSTITUTE

ULTRASONIC TEST EQUIPMENT

MANUFACTURER	ITEM	MODEL / TYPE	SERIAL or BATCH #
AMPROBE	THERMOMETER	T-150	078
SONIC	UT INSTRUMENT	MARK II	04831E
SONIC	UT INSTRUMENT	MARK II	04832E
SONIC	UT INSTRUMENT	MARK II	05325C
SONIC	UT INSTRUMENT	MARK II	05326E
SONIC/SwRI	UT INSTRUMENT	MARK IIA	171120
SONIC/SwRI	UT INSTRUMENT	MARK IIA	171121
SONIC/SwRI	UT INSTRUMENT	MARK IIA	171122
SONIC/SWRI	UT INSTRUMENT	MARK IIA	171123

EQUIPMENT AND MATERIAL LIST

CALIBRATION BLOCK LIST

NORTHEAST UTILITIES

OTHERS

ITEM	SERIAL NUMBER	NOTE
THERMOMETER	116727	NONE
THERMOMETER	116728	NONE
THERMOMETER	116732	NONE
THERMOMETER	116733	NONE
THERMOMETER	116734	NONE
THERMOMETER	116735	NONE
THERMOMETER	116736	NONE

SECTION 7

CONDITIONS NOTED

CONDITIONS NOTED

1. 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) was determined by the 1974 Edition, including the 1975 Summer Addenda, as required and/or permitted by 10CFR50.55a.

2. During the ten year in-service visual examination of the reactor vessel it was noted that one of the core barrel alignment keys (CBAK-1) was slightly out of position, by approximately .375" outward. This alignment key displacement was dispositioned to "Use-As-Is" after ABB/Combustion Engineering Nuclear Operations provided an evaluation of this condition.

3. Four steam generator #2 manway studs were dispositioned as "Rejectable" by Engineering. They were replaced by four new studs that were visually examined for pre-service credit.

4. Two IWF 3 supports were also dispositioned as "Rejectable" by Engineering. They were subsequently repaired and re-examined for pre-service credit. These supports will also be re-examined during the first period of our third interval in accordance with the requirements of IWF.

SECTION 8

CLASS 1 EXAMINATION RESULTS

CLASS 1 EXAMINATION RESULTS

Augmented Examinations

Examination Area: RCS
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
CBSL #4	ACCEPTABLE	VE-1 & 15/ 3
CBSL #5	ACCEPTABLE	VE-1 & 15/ 3
PBH-HP	ACCEPTABLE	VT-3 / 3

CLASS 1 EXAMINATION RESULTS

Category B-A

Examination Area: Pressure Retaining Welds in Reactor Vessel
Examination Method: Volumetric (UT) 0 - 45 - 60 Degree and 60 - 70 Degree

Item Number	Results	Remarks/Notes
BHC-1	ACCEPTABLE	UT / 1
BHV-1	ACCEPTABLE	UT / 1, 19
BHV-2	ACCEPTABLE	UT / 1, 19
BHV-3	ACCEPTABLE	UT / 1, 19
BHV-4	ACCEPTABLE	UT / 1, 19
BHV-5	ACCEPTABLE	UT / 1, 19
BHV-6	ACCEPTABLE	UT / 1, 19
CHM-6	ACCEPTABLE	UT / 1
FS-1	ACCEPTABLE	UT / 1
HS-1	ACCEPTABLE	UT / 1, 19
LSL-1	ACCEPTABLE	UT / 1, 19
LSL-2	ACCEPTABLE	UT / 1
LSL-3	ACCEPTABLE	UT / 1
MSL-1	ACCEPTABLE	UT / 1, 19
MSL-2	ACCEPTABLE	UT / 1
MSL-3	ACCEPTABLE	UT / 1
SC-1	ACCEPTABLE	UT / 1
SC-2	ACCEPTABLE	UT / 1, 19
USL-1	ACCEPTABLE	UT / 1
USL-2	ACCEPTABLE	UT / 1
USL-3	ACCEPTABLE	UT / 1, 19

CLASS 1 EXAMINATION RESULTS

Category B-D

Examination Area: Full Penetration Welds of Nozzles In Vessels
Examination Method: Volumetric (UT) 0 - 45 - 60 Degree and 60 - 70 Degree Scans
Visual (VT)

Item Number	Results	Remarks/Notes
IR-1	ACCEPTABLE	UT / 4
IR-2	ACCEPTABLE	UT / 1
IR-3	ACCEPTABLE	UT / 1
IR-4	ACCEPTABLE	UT / 4
IR-5	ACCEPTABLE	UT / 1
IR-6	ACCEPTABLE	UT / 1
NS-1	ACCEPTABLE	UT / 4, 19
NS-2	ACCEPTABLE	UT / 1
NS-3	ACCEPTABLE	UT / 1
NS-4	ACCEPTABLE	UT / 4, 19
NS-5	ACCEPTABLE	UT / 1
NS-6	ACCEPTABLE	UT / 1
PR-NBH-1	ACCEPTABLE	VT-3/ 3
PR-NTH-1	ACCEPTABLE	VT-3/ 3
PR-NTH-3	ACCEPTABLE	VT-3/ 3
PR-NTH-4	ACCEPTABLE	VT-3/ 3
PR-NTH-5	ACCEPTABLE	VT-3/ 3

CLASS 1 EXAMINATION RESULTS

Category B-E

Examination Area: Pressure Retaining Partial Penetration Welds in Vessels
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
CED-C-34X	ACCEPTABLE	VT-2 / 1
CED-C-37X	ACCEPTABLE	VT-2 / 1
CED-C-39X	ACCEPTABLE	VT-2 / 1
CED-C-41X	ACCEPTABLE	VT-2 / 1
CED-C-43X	ACCEPTABLE	VT-2 / 1
CED-C-45X	ACCEPTABLE	VT-2 / 1
CED-C-47X	ACCEPTABLE	VT-2 / 1
CED-C-49X	ACCEPTABLE	VT-2 / 1
CED-C-51X	ACCEPTABLE	VT-2 / 1
CED-C-53X	ACCEPTABLE	VT-2 / 1
CED-C-55X	ACCEPTABLE	VT-2 / 1
CED-C-57X	ACCEPTABLE	VT-2 / 1
CED-C-59X	ACCEPTABLE	VT-2 / 1
CED-C-61X	ACCEPTABLE	VT-2 / 1
CED-C-63X	ACCEPTABLE	VT-2 / 1
CED-C-65X	ACCEPTABLE	VT-2 / 1
CED-C-67X	ACCEPTABLE	VT-2 / 1
CED-C-69X	ACCEPTABLE	VT-2 / 1
IF-C-76Z	ACCEPTABLE	VT-2 / 1
IF-C-77Z	ACCEPTABLE	VT-2 / 1
PR-B-PEN-1	ACCEPTABLE	VT-2 & 3/ 1
PR-B-PEN-2	ACCEPTABLE	VT-2 & 3/ 1
PR-PHC-031	ACCEPTABLE	VT-2 / 1
PR-PHC-032	ACCEPTABLE	VT-2 / 1
PR-PHC-033	ACCEPTABLE	VT-2 / 1
PR-PHC-035	ACCEPTABLE	VT-2 / 1
PR-PHC-036	ACCEPTABLE	VT-2 / 1
PR-PHC-037	ACCEPTABLE	VT-2 / 1

CLASS 1 EXAMINATION RESULTS

Category B-E

Examination Area: Pressure Retaining Partial Penetration Welds in Vessels
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
PR-PHC-039	ACCEPTABLE	VT-2 / 1
PR-PHC-040	ACCEPTABLE	VT-2 / 1
PR-PHC-041	ACCEPTABLE	VT-2 / 1
PR-PHC-042	ACCEPTABLE	VT-2 / 1
PR-PHC-043	ACCEPTABLE	VT-2 / 1
PR-PHC-045	ACCEPTABLE	VT-2 / 1
PR-PHC-046	ACCEPTABLE	VT-2 / 1
PR-PHC-047	ACCEPTABLE	VT-2 / 1
PR-PHC-048	ACCEPTABLE	VT-2 / 1
PR-PHC-049	ACCEPTABLE	VT-2 / 1
PR-PHC-050	ACCEPTABLE	VT-2 / 1
PR-PHC-051	ACCEPTABLE	VT-2 / 1
PR-PHC-052	ACCEPTABLE	VT-2 / 1
PR-PHC-053	ACCEPTABLE	VT-2 / 1
PR-T-PEN-1	ACCEPTABLE	VT-2 & 3 / 5
PR-T-PEN-2	ACCEPTABLE	VT-2 & 3 / 5
PR-T-PEN-3	ACCEPTABLE	VT-2 & 3 / 5
PR-T-PEN-4	ACCEPTABLE	VT-2 & 3 / 5
PR-T-PEN-5	ACCEPTABLE	VT-2 & 3 / 5

CLASS 1 EXAMINATION RESULTS

Category B-F

Examination Area: Pressure Retaining Dissimilar Metal Welds
Examination Method: Surface (PT) Volumetric (UT)

Item Number	Results	Remarks/Notes
BPD-C-1017	ACCEPTABLE	PT / 1
BPD-C-3000	ACCEPTABLE	PT / 1
BPS-C-1001	ACCEPTABLE	PT UT / 1
BPY-C-3000	ACCEPTABLE	PT / 1
BSI-C-1001	ACCEPTABLE	PT UT / 1
P-4-C-1	ACCEPTABLE	PT UT / 1, 18
P-8-C-1	ACCEPTABLE	PT UT / 1, 18
P-9-C-3	ACCEPTABLE	PT UT / 1, 18

CLASS 1 EXAMINATION RESULTS

Category B-G-1

Examination Area: Pressure Retaining Bolting Larger Than 2" in Dia.
Examination Method: Volumetric (UT) Surface (MT) Visual (VT-1)

Item Number	Results	Remarks/Notes
N-37 through N-54	ACCEPTABLE	MT / 1
RP-40B-N-01-16	ACCEPTABLE	VT-1 / 1
RP-40B-S-01-16	ACCEPTABLE	UT / 1
RP-40C-N-01-16	ACCEPTABLE	VT-1 / 1
RP-40C-S-01-16	ACCEPTABLE	UT / 1
S-37A through S-54A	ACCEPTABLE	MT UT / 1
T-01 through T-54	ACCEPTABLE	UT / 1
W-37 through W-54	ACCEPTABLE	VT-1 / 1

CLASS 1 EXAMINATION RESULTS

Category B-G-2

Examination Area: Pressure Retaining Bolting Two Inches in Diameter and Less
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
CH-431	ACCEPTABLE	VT-1 / 1
CH-432	ACCEPTABLE	VT-1 / 1
CH-434	ACCEPTABLE	VT-1 / 1
CH-516	ACCEPTABLE	VT-1 / 1
CH-517	ACCEPTABLE	VT-1 / 1
CH-518	ACCEPTABLE	VT-1 / 1
HJTC-A	ACCEPTABLE	VT-1 / 1
HJTC-B	ACCEPTABLE	VT-1 / 1
ICI-70-HJTC	ACCEPTABLE	VT-1 / 1
ICI-71-HJTC	ACCEPTABLE	VT-1 / 1, 6
ICI-72-HJTC	ACCEPTABLE	VT-1 / 1, 6
ICI-73-HJTC	ACCEPTABLE	VT-1 / 1, 6
ICI-74-HJTC	ACCEPTABLE	VT-1 / 1
ICI-75-HJTC	ACCEPTABLE	VT-1 / 1, 6
ICI-76-HJTC	ACCEPTABLE	VT-1 / 1, 6
ICI-77-HJTC	ACCEPTABLE	VT-1 / 1
IF-B-70	ACCEPTABLE	VT-1 / 3
IF-B-75	ACCEPTABLE	VT-1 / 1
IF-B-76	ACCEPTABLE	VT-1 / 1
IF-B-77	ACCEPTABLE	VT-1 / 1
PR-B-2	ACCEPTABLE	VT-1 / 1
RC-402 BONNET	ACCEPTABLE	VT-1 / 1
RC-402 FLANGE	ACCEPTABLE	VT-1 / 1
SG-1-B-1-A	ACCEPTABLE	VT-1 / 1
SG-1-B-3-A	ACCEPTABLE	VT-1 / 1
SG-2-B-1-A	ACCEPTABLE	VT-1 / 1
SG-2-B-3-A	ACCEPTABLE	VT-1 / 1
SI-225 BONNET	ACCEPTABLE	VT-1 / 1

CLASS 1 EXAMINATION RESULTS

Category B-G-2

Examination Area: Pressure Retaining Bolting Two Inches in Diameter and Less
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
SI-225-PIVOT	ACCEPTABLE	VT-1 / 1
SI-624 BONNET	ACCEPTABLE	VT-1 / 1
SI-706D BONNET	ACCEPTABLE	VT-1 / 1

CLASS 1 EXAMINATION RESULTS

Category B-J

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

Item Number	Results	Remarks/Notes
BPD-C-1003	ACCEPTABLE	PT / 1
BPD-C-1019	ACCEPTABLE	PT / 1
BPD-C-4000A	ACCEPTABLE	MT / 1
BPR-C-5106	ACCEPTABLE	PT UT / 1
BPS-C-1001A	ACCEPTABLE	MT UT / 1
BPY-C-1015	ACCEPTABLE	PT / 1
BPY-C-3008	ACCEPTABLE	PT / 1
BPY-C-3010	ACCEPTABLE	PT / 1
BSI-C-1015	ACCEPTABLE	PT UT / 1
BSI-C-1017	ACCEPTABLE	PT UT / 1
BSI-C-2005	ACCEPTABLE	PT UT / 1
BSI-C-2013	ACCEPTABLE	PT UT / 1
BSI-C-3006	ACCEPTABLE	PT UT / 1
BSI-C-3038	ACCEPTABLE	PT UT / 1
BSI-C-3040	ACCEPTABLE	PT UT / 1
BSI-C-3062	ACCEPTABLE	PT UT / 1
~~ICI-74-Y-1~~ ICI-73-Y-1	ACCEPTABLE	PT-RT / 1
ICI-75-Y-1	ACCEPTABLE	PT-RT / 1
ICI-76-Y-1	ACCEPTABLE	PT-RT / 1
ICI-77-Y-1	ACCEPTABLE	PT-RT / 1
P-1-C-3-B	ACCEPTABLE	MT UT / 1
P-1-L-3	ACCEPTABLE	MT UT / 1
P-1-L-4	ACCEPTABLE	MT UT / 1
P-14-C-1	ACCEPTABLE	UT / 1, 7
P-14-C-2	ACCEPTABLE	UT / 1, 7
P-14-L-1	ACCEPTABLE	UT / 1, 7
P-14-L-1-A	ACCEPTABLE	UT / 1, 7

JDB 10/10/95
E/0 10.95

CLASS 1 EXAMINATION RESULTS

Category B-J

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

Item Number	Results	Remarks/Notes
P-14-L-2	ACCEPTABLE	UT / 1, 7
P-14-L-2-A	ACCEPTABLE	UT / 1, 7
P-14-L-3	ACCEPTABLE	UT / 1, 7
P-14-L-4	ACCEPTABLE	UT / 1, 7
P-16-C-2	ACCEPTABLE	MT UT / 1
P-16-L-1	ACCEPTABLE	MT UT / 1
P-16-L-2	ACCEPTABLE	MT UT / 1
P-16-L-3-A	ACCEPTABLE	MT UT / 1
P-16-L-4-A	ACCEPTABLE	MT UT / 1
P-4-L-1-A	ACCEPTABLE	PT UT / 1
P-4-L-2-A	ACCEPTABLE	PT UT / 1
P-8-L-1-A	ACCEPTABLE	PT UT / 1
P-8-L-2-A	ACCEPTABLE	PT UT / 1
P-9-C-1	ACCEPTABLE	UT / 1, 7
P-9-C-2	ACCEPTABLE	UT / 1, 7
P-9-L-1	ACCEPTABLE	UT / 1. 7
P-9-L-1-A	ACCEPTABLE	UT / 1, 7
P-9-L-2	ACCEPTABLE	UT / 1, 7
P-9-L-2-A	ACCEPTABLE	UT / 1, 7
P-9-L-3	ACCEPTABLE	UT / 1, 7
P-9-L-3-A	ACCEPTABLE	MT UT / 1
P-9-L-4	ACCEPTABLE	UT / 1, 7
P-9-L-4-A	ACCEPTABLE	MT UT / 1

CLASS 1 EXAMINATION RESULTS

Category B-K-1

Examination Area: Integral Attachments for Piping, Pumps, and Valves
Examination Method: Surface (PT)

Item Number	Results	Remarks/Notes
508003-PSLH02	ACCEPTABLE	PT / 8
510020	ACCEPTABLE	PT / 1
RP-40B-L-1	ACCEPTABLE	PT / 1
RP-40B-L-2	ACCEPTABLE	PT / 1
RP-40B-L-3	ACCEPTABLE	PT / 1
RP-40B-L-4	ACCEPTABLE	PT / 1
RP-40D-L-1	ACCEPTABLE	PT / 1
RP-40D-L-2	ACCEPTABLE	PT / 1
RP-40D-L-3	ACCEPTABLE	PT / 1
RP-40D-L-4	ACCEPTABLE	PT / 1

CLASS 1 EXAMINATION RESULTS

Category B-M-2

Examination Area: Valve Bodies
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
SI-706D INT	ACCEPTABLE	VT-3 / 1

CLASS 1 EXAMINATION RESULTS

Category B-N-1

Examination Area: Interior of Reactor Vessel
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
CHKW-1	ACCEPTABLE	VT-3 / 1
CHKW-2	ACCEPTABLE	VT-3 / 1
CHKW-3	ACCEPTABLE	VT-3 / 1
CHKW-4	ACCEPTABLE	VT-3 / 1
CHMS	ACCEPTABLE	VT-3 / 1
FBS	ACCEPTABLE	VT-3 / 1
KW-1	ACCEPTABLE	VT-3 / 1
KW-2	ACCEPTABLE	VT-3 / 1
KW-3	ACCEPTABLE	VT-3 / 1
KW-4	ACCEPTABLE	VT-3 / 1
ONB-1	ACCEPTABLE	VT-3 / 1
ONB-2	ACCEPTABLE	VT-3 / 1
RV-INT	ACCEPTABLE	VT-3 / 1
SC-1.1	ACCEPTABLE	VT-3 / 1
SC-2.1	ACCEPTABLE	VT-3 / 1
SC-3	ACCEPTABLE	VT-3 / 1
SC-4	ACCEPTABLE	VT-3 / 1
SC-5	ACCEPTABLE	VT-3 / 1
SC-6	ACCEPTABLE	VT-3 / 1

CLASS 1 EXAMINATION RESULTS

Category B-N-2

Examination Area: Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels

Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
CLS-1	ACCEPTABLE	VT-3 / 1
CLS-2	ACCEPTABLE	VT-3 / 1
CSL-3	ACCEPTABLE	VT-3 / 1
CSL-4	ACCEPTABLE	VT-3 / 1
CSL-5	ACCEPTABLE	VT-3 / 1
CSL-6	ACCEPTABLE	VT-3 / 1
CSL-7	ACCEPTABLE	VT-3 / 1
CSL-8	ACCEPTABLE	VT-3 / 1
CSL-9	ACCEPTABLE	VT-3 / 1
IS-1	ACCEPTABLE	VT-3 / 1
IS-2	ACCEPTABLE	VT-3 / 1
IS-3	ACCEPTABLE	VT-3 / 1
IS-4	ACCEPTABLE	VT-3 / 1
IS-5	ACCEPTABLE	VT-3 / 1
IS-6	ACCEPTABLE	VT-3 / 1

CLASS 1 EXAMINATION RESULTS

Category B-N-3

Examination Area: Removable Core Support Structures
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
CBAK-1	ACCEPTABLE	VT-3 / 1
CBAK-2	ACCEPTABLE	VT-3 / 1
CBAK-3	ACCEPTABLE	VT-3 / 1
CBAK-4	ACCEPTABLE	VT-3 / 1
CBGL-1	ACCEPTABLE	VT-3 / 1
CBGL-2	ACCEPTABLE	VT-3 / 1
CBGL-3	ACCEPTABLE	VT-3 / 1
CBGL-4	ACCEPTABLE	VT-3 / 1
CBGW	ACCEPTABLE	VT-3 / 1
CBMS	ACCEPTABLE	VT-3 / 1
CSA	ACCEPTABLE	VT-3 / 1
CSB	ACCEPTABLE	VT-3 / 1
CSW	ACCEPTABLE	VT-3 / 1
IGT	ACCEPTABLE	VT-3 / 1
INTERNALS	ACCEPTABLE	VT-3 / 1
LCSP	ACCEPTABLE	VT-3 / 1
LCSS	ACCEPTABLE	VT-3 / 1
ONP-1	ACCEPTABLE	VT-3 / 1
ONP-2	ACCEPTABLE	VT-3 / 1
PCES	ACCEPTABLE	VT-3 / 1
SB-1	ACCEPTABLE	VT-3 / 1
SB-2	ACCEPTABLE	VT-3 / 1
SB-3	ACCEPTABLE	VT-3 / 1
SB-4	ACCEPTABLE	VT-3 / 1
SB-5	ACCEPTABLE	VT-3 / 1
SB-6	ACCEPTABLE	VT-3 / 1
UGFAP	ACCEPTABLE	VT-3 / 1
UGHDR	ACCEPTABLE	VT-3 / 1

CLASS 1 EXAMINATION RESULTS

Category B-N-3

Examination Area: Removable Core Support Structures
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
UGKW-1	ACCEPTABLE	VT-3 / 1
UGKW-2	ACCEPTABLE	VT-3 / 1
UGKW-3	ACCEPTABLE	VT-3 / 1
UGKW-4	ACCEPTABLE	VT-3 / 1

CLASS 1 EXAMINATION RESULTS

Category B-O

Examination Area: Pressure Retaining Welds in Control Rod Housings
Examination Method: Surface (PT)

Item Number	Results	Remarks/Notes
CED-C-61S	ACCEPTABLE	PT / 1
CED-C-61T	ACCEPTABLE	PT / 1
CED-C-61U	ACCEPTABLE	PT / 1
CED-C-61V	ACCEPTABLE	PT / 1
CED-C-62S	ACCEPTABLE	PT / 1
CED-C-62T	ACCEPTABLE	PT / 1
CED-C-62U	ACCEPTABLE	PT / 1
CED-C-62V	ACCEPTABLE	PT / 1
CED-C-63S	ACCEPTABLE	PT / 1
CED-C-63T	ACCEPTABLE	PT / 1
CED-C-63U	ACCEPTABLE	PT / 1
CED-C-63V	ACCEPTABLE	PT / 1

CLASS 1 EXAMINATION RESULTS

Category C-4.A

Examination Area: Reactor Coolant Pump Flywheels High Stressed Area (Bore & Keyway)
Examination Method: Volumetric (UT)

Item Number	Results	Remarks/Notes
RP-40A-FHS	ACCEPTABLE	UT / 10
RP-40B-FHS	ACCEPTABLE	UT / 10
RP-40C-FHS	ACCEPTABLE	UT / 10
RP-40D-FHS	ACCEPTABLE	UT / 10

Category C-4.B

Examination Area: Reactor Coolant Pump Flywheel
Examination Method: Volumetric (UT) Surface (ECT)

Item Number	Results	Remarks/Notes
RP-40A-FW	ACCEPTABLE	ECT UT / 10
RP-40B-FW	ACCEPTABLE	ECT UT / 10
RP-40C-FW	ACCEPTABLE	ECT UT / 10
RP-40D-FW	ACCEPTABLE	ECT UT / 10

SECTION 9

CLASS 2 EXAMINATION RESULTS

CLASS 2 EXAMINATION RESULTS

Category C-B

Examination Area: Pressure Retaining Nozzle Welds in Vessels
Examination Method: Volumetric (RT) Surface (MT)

Item Number	Results	Remarks/Notes
SIBC-B-2	ACCEPTABLE	MT RT / 1

CLASS 2 EXAMINATION RESULTS

Category C-C

Examination Area: Integral Attachments for Vessels, Piping, Pumps & Valves
Examination Method: Surface (PT) or (MT)

Item Number	Results	Remarks/Notes
402007	ACCEPTABLE	PT / 8
402048	ACCEPTABLE	PT / 1
402088	ACCEPTABLE	PT / 1
402097	ACCEPTABLE	PT / 1
402101	ACCEPTABLE	PT / 1
412017	ACCEPTABLE	MT / 1

CLASS 2 EXAMINATION RESULTS

Category C-F

Examination Area: Pressure Containing Welds in Piping
Examination Method: Thickness 1/2" or Less, Surface (PT) or (MT); Thickness Over 1/2", Volumetric (UT) or (RT) Surface (PT) or (MT)

Item Number	Results	Remarks/Notes
2-CG-CP-070	ACCEPTABLE	MT / 1
2-CG-W-013	ACCEPTABLE	MT / 1
2-CG-W-041	ACCEPTABLE	MT / 1
2-CG-W-056	ACCEPTABLE	MT / 1
2-CG-W-CHP-02	ACCEPTABLE	MT / 1
FWB-C-G-17	ACCEPTABLE	MT / 1
HSI-CF-07	ACCEPTABLE	PT / 1
HSI-CF-37	ACCEPTABLE	PT UT / 1
MSA-CG-20A	ACCEPTABLE	PT RT/ 1
MSA-CG-20B	ACCEPTABLE	PT RT/ 1
MSA-CG-20C	ACCEPTABLE	PT RT/ 1
PBA-5	ACCEPTABLE	PT RT/ 1
SI-CF-A-025	ACCEPTABLE	PT / 1
SI-CF-A-104	ACCEPTABLE	PT / 1
SI-CF-B-069	ACCEPTABLE	PT / 1
SI-CF-B-109	ACCEPTABLE	PT / 1
SI-CF-X-15	ACCEPTABLE	PT / 1
SI-CF-X-35	ACCEPTABLE	PT / 1
SI-CF-X-48	ACCEPTABLE	PT / 1
SI-CF-X-49	ACCEPTABLE	PT / 1

SECTION 10

IWF EXAMINATION RESULTS

CLASS 1 EXAMINATION RESULTS

Category IWF 1

Examination Area: Class 1, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
310019	ACCEPTABLE	VT-3 / 1
408017-B	ACCEPTABLE	VT-3 / 1
408017-D	ACCEPTABLE	VT-3 / 1
408017-E	ACCEPTABLE	VT-3 / 1
410036	ACCEPTABLE	VT-3 / 1
410039	ACCEPTABLE	VT-3 / 12
410041-PSH23	ACCEPTABLE	VT-3 / 1
410041-PSH30	ACCEPTABLE	VT-3 / 1
410044	ACCEPTABLE	VT-3 / 12
410045	ACCEPTABLE	VT-3 / 11
410046	ACCEPTABLE	VT-3 / 1
410047	ACCEPTABLE	VT-3 / 12
410048	ACCEPTABLE	VT-3 / 1
410051	ACCEPTABLE	VT-3 / 1
410059	ACCEPTABLE	VT-3 / 1
410062-L	ACCEPTABLE	VT-3 / 1
410062-R	ACCEPTABLE	VT-3 / 1
410083	ACCEPTABLE	VT-3 / 1
410095	ACCEPTABLE	VT-3 / 13
410103	ACCEPTABLE	VT-3 / 1
410107	ACCEPTABLE	VT-3 / 1
410110-PSA08	ACCEPTABLE	VT-3 / 1
491412-L	ACCEPTABLE	VT-3 / 1
508003-PSLH02.1	ACCEPTABLE	VT-3 / 13
DP-158	ACCEPTABLE	VT-3 / 1

CLASS 2 EXAMINATION RESULTS

Category IWF 2

Examination Area: Class 2, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
#1-SH4-155	REMOVED	VT-3 / 16
302053	ACCEPTABLE	VT-3 / 1
302078	ACCEPTABLE	VT-3 / 14
302080.1	ACCEPTABLE	VT-3 / 1
302092	ACCEPTABLE	VT-3 / 1
312009	ACCEPTABLE	VT-3 / 1
312015	ACCEPTABLE	VT-3 / 1
380109	ACCEPTABLE	VT-3 / 1
402002	ACCEPTABLE	VT-3 / 13
402003	ACCEPTABLE	VT-3 / 1
402005	ACCEPTABLE	VT-3 / 1
402006	ACCEPTABLE	VT-3 / 1
402007.1	ACCEPTABLE	VT-3 / 14
402009	ACCEPTABLE	VT-3 / 14
402022	ACCEPTABLE	VT-3 / 14
402023.1	ACCEPTABLE	VT-3 / 13
402038	ACCEPTABLE	VT-3 / 13
402043	ACCEPTABLE	VT-3 / 1
402048.1	ACCEPTABLE	VT-3 / 14
402084	ACCEPTABLE	VT-3 / 1
402086	ACCEPTABLE	VT-3 / 14
402094	ACCEPTABLE	VT-3 / 14
402097.1	ACCEPTABLE	VT-3 / 1
402101.1	ACCEPTABLE	VT-3 / 1
402116	ACCEPTABLE	VT-3 / 1
402120	ACCEPTABLE	VT-3 / 1
402121	ACCEPTABLE	VT-3 / 1
410067	ACCEPTABLE	VT-3 / 1

CLASS 2 EXAMINATION RESULTS

Category IWF 2

Examination Area: Class 2, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
412010	ACCEPTABLE	VT-3 / 1
412017.1	ACCEPTABLE	VT-3 / 1
412018	ACCEPTABLE	VT-3 / 1
417004	ACCEPTABLE	VT-3 / 1
417007	ACCEPTABLE	VT-3 / 1
417009	ACCEPTABLE	VT-3 / 1
502030	ACCEPTABLE	VT-3 / 13
505274	ACCEPTABLE	VT-3 / 1
70010	ACCEPTABLE	VT-3 / 17
70039	ACCEPTABLE	VT-3 / 17
SG-1-CC-1.1	ACCEPTABLE	VT-3 / 1
SG-1-CC-2.1	ACCEPTABLE	VT-3 / 1

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
#1-SH9-156	ACCEPTABLE	VT-3 / 12
#2-SH9-156	REMOVED	VT-3 / 16
60346	ACCEPTABLE	VT-3 / 1
060359	ACCEPTABLE	VT-3 / 15
070090	ACCEPTABLE	VT-3 / 1
305136	ACCEPTABLE	VT-3 / 1
305560	ACCEPTABLE	VT-3 / 1
305561	ACCEPTABLE	VT-3 / 14
305625	ACCEPTABLE	VT-3 / 1
305661	ACCEPTABLE	VT-3 / 1
305916	ACCEPTABLE	VT-3 / 1
305961	ACCEPTABLE	VT-3 / 12
305995	ACCEPTABLE	VT-3 / 12
329044	ACCEPTABLE	VT-3 / 1
329045	REMOVED	VT-3 / 16
329048	ACCEPTABLE	VT-3 / 14
329049	ACCEPTABLE	VT-3 / 1
329050	ACCEPTABLE	VT-3 / 14
329051	ACCEPTABLE	VT-3 / 1
329053	ACCEPTABLE	VT-3 / 1
329055	ACCEPTABLE	VT-3 / 1
329057	ACCEPTABLE	VT-3 / 1
329059	ACCEPTABLE	VT-3 / 1
329061	ACCEPTABLE	VT-3 / 1
329063	REMOVED	VT-3 / 16
350112	ACCEPTABLE	VT-3 / 1
380013	ACCEPTABLE	VT-3 / 12
380253	ACCEPTABLE	VT-3 / 1

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
380302	ACCEPTABLE	VT-3 / 12
380322	ACCEPTABLE	VT-3 / 1
380323	ACCEPTABLE	VT-3 / 1
380324	ACCEPTABLE	VT-3 / 1, 11
403070	ACCEPTABLE	VT-3 / 1
405032	ACCEPTABLE	VT-3 / 12
405043	ACCEPTABLE	VT-3 / 12
405103	ACCEPTABLE	VT-3 / 12
405125	ACCEPTABLE	VT-3 / 14
405126	ACCEPTABLE	VT-3 / 14
405127	ACCEPTABLE	VT-3 / 1
405128	ACCEPTABLE	VT-3 / 1
405129	ACCEPTABLE	VT-3 / 1, 11
405130	ACCEPTABLE	VT-3 / 1
405131	ACCEPTABLE	VT-3 / 1
405228	ACCEPTABLE	VT-3 / 1
405241	ACCEPTABLE	VT-3 / 1, 11
405242	ACCEPTABLE	VT-3 / 1
405374	ACCEPTABLE	VT-3 / 1, 11
405390	ACCEPTABLE	VT-3 / 1
405393	ACCEPTABLE	VT-3 / 1
405394	ACCEPTABLE	VT-3 / 1
405397 SH5	ACCEPTABLE	VT-3 / 1
405397 SH9	ACCEPTABLE	VT-3 / 1
405400	ACCEPTABLE	VT-3 / 1
405413 SH9	ACCEPTABLE	VT-3 / 1
405415	ACCEPTABLE	VT-3 / 14
405418	ACCEPTABLE	VT-3 / 12

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
405422	ACCEPTABLE	VT-3 / 14
405423	ACCEPTABLE	VT-3 / 14
405424	ACCEPTABLE	VT-3 / 14
405431	ACCEPTABLE	VT-3 / 1
405436	ACCEPTABLE	VT-3 / 14
405440	ACCEPTABLE	VT-3 / 12
405441	ACCEPTABLE	VT-3 / 1
405442	ACCEPTABLE	VT-3 / 1
405443	ACCEPTABLE	VT-3 / 1
405487	ACCEPTABLE	VT-3 / 12
405496	ACCEPTABLE	VT-3 / 1
405498	ACCEPTABLE	VT-3 / 12
405510	ACCEPTABLE	VT-3 / 12
405553	ACCEPTABLE	VT-3 / 1
405559	ACCEPTABLE	VT-3 / 14
405560	ACCEPTABLE	VT-3 / 14
405575	ACCEPTABLE	VT-3 / 14
405584	ACCEPTABLE	VT-3 / 1
405585	ACCEPTABLE	VT-3 / 1
405599	ACCEPTABLE	VT-3 / 14
405601	ACCEPTABLE	VT-3 / 1
405610	ACCEPTABLE	VT-3 / 14
405613	ACCEPTABLE	VT-3 / 14
405619	ACCEPTABLE	VT-3 / 12
405621	ACCEPTABLE	VT-3 / 1
405622	ACCEPTABLE	VT-3 / 12
405623	ACCEPTABLE	VT-3 / 14
405627	ACCEPTABLE	VT-3 / 1

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
405628	ACCEPTABLE	VT-3 / 1
405629	ACCEPTABLE	VT-3 / 1
405651	ACCEPTABLE	VT-3 / 12
405694	ACCEPTABLE	VT-3 / 1
405701	ACCEPTABLE	VT-3 / 12
405709	ACCEPTABLE	VT-3 / 12
405716	ACCEPTABLE	VT-3 / 14
405750	ACCEPTABLE	VT-3 / 14
405827	ACCEPTABLE	VT-3 / 1
405828	ACCEPTABLE	VT-3 / 1
405894	ACCEPTABLE	VT-3 / 1
405965	ACCEPTABLE	VT-3 / 1
427016	ACCEPTABLE	VT-3 / 14
427043	REMOVED	VT-3 / 16
427093	ACCEPTABLE	VT-3 / 1
427098	ACCEPTABLE	VT-3 / 14
427112	ACCEPTABLE	VT-3 / 1
450076	ACCEPTABLE	VT-3 / 1
450077	ACCEPTABLE	VT-3 / 12
450080	ACCEPTABLE	VT-3 / 14
450082	ACCEPTABLE	VT-3 / 14
450152	ACCEPTABLE	VT-3 / 1
450198	ACCEPTABLE	VT-3 / 12
491234-01	ACCEPTABLE	VT-3 / 1
491234-02	ACCEPTABLE	VT-3 / 1
491234-03	ACCEPTABLE	VT-3 / 1
491234-04	ACCEPTABLE	VT-3 / 1
491234-05	ACCEPTABLE	VT-3 / 1

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
491234-06	ACCEPTABLE	VT-3 / 1
491234-07	ACCEPTABLE	VT-3 / 1
491234-08	ACCEPTABLE	VT-3 / 1
491234-09	ACCEPTABLE	VT-3 / 1
491234-10	ACCEPTABLE	VT-3 / 1
491234-11	ACCEPTABLE	VT-3 / 1
491235-01	ACCEPTABLE	VT-3 / 1
491235-02	ACCEPTABLE	VT-3 / 1
491235-03	ACCEPTABLE	VT-3 / 1
491235-04	ACCEPTABLE	VT-3 / 1
491235-05	ACCEPTABLE	VT-3 / 1
491235-06	ACCEPTABLE	VT-3 / 1
491235-07	ACCEPTABLE	VT-3 / 1
491235-08	ACCEPTABLE	VT-3 / 1
491235-09	ACCEPTABLE	VT-3 / 1
491235-10	ACCEPTABLE	VT-3 / 1
491235-11	ACCEPTABLE	VT-3 / 1
491235-12	ACCEPTABLE	VT-3 / 1
491235-13	ACCEPTABLE	VT-3 / 1
491235-14	ACCEPTABLE	VT-3 / 1
491235-15	ACCEPTABLE	VT-3 / 1
491235-16	ACCEPTABLE	VT-3 / 1
491235-17	ACCEPTABLE	VT-3 / 1
491235-18	ACCEPTABLE	VT-3 / 1
491235-19	ACCEPTABLE	VT-3 / 1
491235-20	ACCEPTABLE	VT-3 / 1
491458	ACCEPTABLE	VT-3 / 1
505006	ACCEPTABLE	VT-3 / 1

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
505012	ACCEPTABLE	VT-3 / 1
505079	ACCEPTABLE	VT-3 / 1
505081	ACCEPTABLE	VT-3 / 1
505102	ACCEPTABLE	VT-3 / 1
505111	ACCEPTABLE	VT-3 / 12
505129	ACCEPTABLE	VT-3 / 1
505130	ACCEPTABLE	VT-3 / 14
505134	ACCEPTABLE	VT-3 / 14
505137	ACCEPTABLE	VT-3 / 14
505139	ACCEPTABLE	VT-3 / 12
505140	ACCEPTABLE	VT-3 / 1
505141	ACCEPTABLE	VT-3 / 1
505142	ACCEPTABLE	VT-3 / 1
505145	ACCEPTABLE	VT-3 / 12
505150	ACCEPTABLE	VT-3 / 12
505164	ACCEPTABLE	VT-3 / 1
505171	ACCEPTABLE	VT-3 / 12
505272	ACCEPTABLE	VT-3 / 1
505273	ACCEPTABLE	VT-3 / 1
505323	ACCEPTABLE	VT-3 / 14
505346	ACCEPTABLE	VT-3 / 14
527029	ACCEPTABLE	VT-3 / 1
527030	ACCEPTABLE	VT-3 / 1
527066	ACCEPTABLE	VT-3 / 1
527067	ACCEPTABLE	VT-3 / 1
527068	ACCEPTABLE	VT-3 / 1
P-4-1-S-B	ACCEPTABLE	VT-3 / 1
P-9A-1-S-B	ACCEPTABLE	VT-3 / 1

CLASS 3 EXAMINATION RESULTS

Category IWF 3

Examination Area: Class 3, IWF Supports
Examination Method: Visual (VT)

Item Number	Results	Remarks/Notes
P-9B-1-S-B	ACCEPTABLE	VT-3 / 1

MILLSTONE UNIT 2 - PROGRAM PLAN
SECOND INTERVAL - CATEGORY SUMMARY

EXAM CATEGORY	TOTAL ACTIVE REC	INTERVAL 2 SCHEDULED	PERCENT TOTAL POP	PERIOD 1 SCHEDULED	PERIOD 1 COMPLETE	PERIOD 1 PERCENT	PERIOD 2 SCHEDULED	PERIOD 2 COMPLETE	PERIOD 1+2 PERCENT	PERIOD 3 SCHEDULED	PERIOD 3 COMPLETE	PERIOD 1-3 PERCENT	TOTAL COMPLETE	PERCENT COMPLETE
	0	0	0.0%	0	0	0%	0	0	0%	0	0	0%	0	0.0%
B-A	28	27	96.4%	3	3	11%	5	5	30%	21	21	107%	29	107.4%
B-B	20	11	55.0%	9	9	82%	2	2	100%	0	0	100%	11	100.0%
B-D	40	28	70.0%	14	14	50%	2	2	57%	12	12	100%	28	100.0%
B-E	205	60	29.3%	8	8	13%	12	12	33%	40	40	100%	60	100.0%
B-F	28	28	100.0%	9	9	32%	11	11	71%	8	8	100%	28	100.0%
B-G-1	268	262	97.8%	56	56	21%	110	110	63%	113	113	106%	279	106.5%
B-G-2	91	90	98.9%	27	27	30%	27	27	60%	36	36	100%	90	100.0%
B-H	7	1	14.3%	0	0	0%	1	1	100%	0	0	100%	1	100.0%
B-J	641	212	33.1%	71	71	33%	72	72	67%	70	70	100%	213	100.5%
B-K-1	19	19	100.0%	4	4	21%	6	6	53%	9	9	100%	19	100.0%
B-L-1	2	2	100.0%	0	0	0%	2	2	100%	0	0	100%	2	100.0%
B-L-2	4	1	25.0%	0	0	0%	0	0	0%	1	1	100%	1	100.0%
B-M-2	18	4	22.2%	2	2	50%	1	1	75%	1	1	100%	4	100.0%
B-N-1	19	19	100.0%	19	19	100%	10	10	153%	19	19	253%	48	252.6%
B-N-2	15	15	100.0%	0	0	0%	0	0	0%	15	15	100%	15	100.0%
B-N-3	32	32	100.0%	0	0	0%	0	0	0%	32	32	100%	32	100.0%

Report: i2catpop
File: sch_cat
Index: key/Exam Category

Note: All totals based on Active records.
Period totals must also be Code Credit "Y".

MILLSTONE UNIT 2 - PROGRAM PLAN
SECOND INTERVAL - CATEGORY SUMMARY

EXAM CATEGORY	TOTAL ACTIVE REC	INTERVAL 2 SCHEDULED	PERCENT TOTAL POP	PERIOD 1 SCHEDULED	PERIOD 1 COMPLETE	PERIOD 1 PERCENT	PERIOD 2 SCHEDULED	PERIOD 2 COMPLETE	PERIOD 1+2 PERCENT	PERIOD 3 SCHEDULED	PERIOD 3 COMPLETE	PERIOD 1-3 PERCENT	TOTAL COMPLETE	PERCENT COMPLETE
B-O	140	12	8.6%	0	0	0%	0	0	0%	12	12	100%	12	100.0%
C-4.A	4	4	100.0%	4	4	100%	4	4	200%	4	4	300%	12	300.0%
C-4.B	4	4	100.0%	0	0	0%	0	0	0%	4	4	100%	4	100.0%
C-A	12	6	50.0%	1	1	17%	3	3	67%	2	2	100%	6	100.0%
C-B	9	6	66.7%	0	0	0%	2	2	33%	3	3	83%	5	83.3%
C-C	45	28	62.2%	7	7	25%	16	16	82%	5	5	100%	28	100.0%
C-F	676	94	13.9%	26	26	28%	37	37	67%	31	31	100%	94	100.0%
C-H	2	2	100.0%	0	0	0%	0	0	0%	0	0	0%	0	0.0%
IWF 1	208	117	56.3%	34	34	29%	48	48	70%	35	35	100%	117	100.0%
IWF 2	202	113	55.9%	30	30	27%	43	43	65%	43	43	103%	116	102.7%
IWF 3	864	520	60.2%	170	170	33%	133	133	58%	215	215	100%	518	99.6%
TOTALS:	3603	1717		494	494		547	547		731	731		1772	

Report: i2catpop
File: sch_cat
Index: key/Exam Category

Note: All totals based on Active records.
Period totals must also be Code Credit "Y".

Notes
Class 1, 2, and 3
Components

Note 1 Third Period, Second Interval ISI Code Creditable Exam.

Note 2 This examination was performed for pre-service code credit.

Note 3 This is an augmented examination, not for code credit.

Note 4 These two Category B-D nozzle welds and inner radius examinations were performed during the third period, second interval reactor vessel examination. During the third interval, we may seek code relief from performing the first 40 month examination of this category based on the acceptability of these results.

Note 5 The VT-2 examination is for third period, second interval ISI code credit. The VT-3 examination was an augmented examination, not for code credit.

Note 6 After code credit examination, the studs on this set of fasteners were replaced. The replacement studs were also examined for pre-service code credit.

Note 7 Per Relief Request #RR-10, volumetric (UT) examination was conducted from the I.D. of the RCS piping in lieu of O.D. surface examinations.

Note 8 This support's integral attachments were PT'd while examiner was in area performing visual examination, PT is not for B-K-1 code credit.

Note 9 NDE indications were noted and reported. However, they were dispositioned as acceptable per the applicable section of the ASME Code.

Note 10 The reactor coolant pump flywheel high stress keyway, bore and entire volume and surface were examined per Reg. Guide 1-14, for third period, second interval credit.

Note 11 This support was rejected per IWF-3400, repaired and re-inspected.

Note 12 This support examination was added to the Work Plan per IWF-2430(a).

Note 13 This support was rejected and repaired during the 1989 refueling outage. It was re-examined in 1994 per IWF-2420(b)

Note 14 This support was examined at the request of the Design Engineer, not for code credit.

Note 15 This support has been added to the RBCCW system near the RBCCW pumps. It takes the place of removed support #405694.

Note 16 This support has been removed from the piping system. The removal was verified during this refueling outage.

Note 17 These two supports were added to ISI Program and examined for Second Interval code credit.

Note 18 Per Relief Request #RR-16, limited volumetric (UT) examinations were performed on this weld due to geometry and/or configuration of the weld.

Note 19 Limited volumetric (UT) examination coverage was encountered as reported to the NRC on June 6, 1995, Docket No. 50-336, B15266.

SECTION 11

NIS 2

REPAIR and REPLACEMENT

REPORTS

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

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
Date: 12-27-93
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
Unit: 2

3. **Work Performed by:** Northeast Nuclear Energy Co.
P.O. Box 128, Waterford, CT
AWO M2-93-07227
Repair Organization PO No., Job No. etc.

4. **Identification of System:** CVCS (2304A)

5. (a) **Applicable Construction Code:** ASME Sect III Cl 1 1971 Edition, vlv 1983 Edition, Summer 1983 Addenda, Code Cases -
(b) **Applicable Edition of Section XI Utilized for Repairs of Replacements** - 1980 Winter 1981 Addenda, Code Case -

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
2-CH-442	Anchor Darling	E3265D20-58	N/A		MRIR 293-152	Replacement valve	NO
2-CCA-18	NA	NA	NA	NA	MRIR 293-156-1 thru 4	Replacement fittings	NO
2-CCA-18	NA	NA	NA	NA	MRIR 389-137-555	Replacement pipe	NO

7. Description of Work Installed new valve, stub of pipe and coupling

8. Test Conducted: Hydrostatic [X] Pneumatic [ ] Normal Operating Pressure [ ] Other [ ]
Test Pressure 2300 psi Test Temp 532 °F

9. Remarks: Hydrostatic test performed in accordance with SP 2602C (RCS hydrostatic test).

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this VALVE & PPG REPLACEMENT conforms to Section XI of the ASME Code.

Signed: David M Perry Title: MNTCNO Date: 1-22-94

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT, employed by THE HARTFORD STEAM BOILER I&I CO of HARTFORD, CT have inspected the REPLACEMENT (Repair(s) or Replacement(s)) described in this Report on AUGUST, 12 19 93 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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 31 MARCH 1993 1994 ELIZABETH YORK (Inspector) Commissions CT1137 (State or Province, National Board)

ACO

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
Date: July 18, 1995
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385
Unit: 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
M2-95-06299
Repair Organization PO No., Job No etc.

4. **Identification of System:** 2326A Service Water

5. (a) Applicable Construction Code: ANSI B31.1 1973 Edition, NONE Addenda, Code Cases ____ - ____
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases ____ - ____

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
Support 60045	Various	None	N/A		494-1040-1 &493-465-1	Repair	No

7. **Description of work System:** Additional structural steel was added to Hanger 60045 to support the tubing installation for 2-SW-111.

8. **Test Conducted:** Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐ Other ■
Test Pressure N/A psi Test Temp N/A °F

9. **Remarks:** All welds inspected SAT to GWS 004 AWS D1.1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair conforms to Section XI of the ASME Code.

Signed: Russell B. Miller Title: Technician Date: 7/18/95

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 NEW YORK, employed by NSB I&I Co. of HARTFORD, CT have inspected the REPAIR described in this Report on 7/19 19 95
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 7/19/95 Russell B. Miller Commissions NY2498
(Inspector) (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
Date: July 18,1995
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385
Unit: 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
M2-95-06299
Repair Organization P.O. No., Job No. etc.

4. **Identification of System:** 2326A Service Water

5. (a) Applicable Construction Code: ANSI B31.1 1973 Edition, NONE Addenda, Code Cases ____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases N - 416-1

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
2-SW-111	Fisher	None	63327737		none	Replaced	No
2-SW-111	Johnson	none	none		295-238-3	Replacement	No

7. **Description of work System:** Replaced service water valve 2-SW-111 in accordance with PDCR 2-034-95

8. **Test Conducted:** Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ■ Other ☐
Test Pressure 48 psi Test Temp 62 °F

9. **Remarks:** Component Leak Test SP21218-1 completed SAT 6/24/95.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed: Donald B. Amm Title: Technician Date: 7/17/95

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 NEW YORK, employed by HSB I&I Co. of HARTFORD, CT have inspected the REPLACEMENTS described in this Report on 7/19 19 95
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 7/19/95 Russell B. Miller Commissions NY 2498
(Inspector) (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

Date: 08/03/95
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385

Unit: 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

M2-94-09615
Repair Organization PO No., Job No. etc.

4. **Identification of System:** 2307 L.P. Safety Injection Pump Discharge HGR-402023

5. (a) Applicable Construction Code: ASME b31.7 1969 Edition, ——— Addenda, ——— Code Cases ——— · ———

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases ——— · ———

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
PIVOT PIN	ITT Grinnell	N/A	N/A	N/A	NHR 386-014	Replacement	NO

7. **Description of work System:** Replaced sway strut pivot pin on HGR-402023

8. **Test Conducted:** Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐ Other ☑
Test Pressure _____ psi Test Temp _____ °F

9. **Remarks:** Performed NU-VE-3 visual examination in accordance with criteria per Para. 4.4 of NU-VE-3.

CERTIFICATE OF COMPLIANCE

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

Signed: James F. Clouet Title: Mntc/Engineer Date: 08/03/95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler Inst. Co. of Hartford Ct have inspected the Replacement described in this Report on 8/2 1995
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 8/2/95 _____ (Inspector) Commissions 6157 (State or Province, National Board)

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 4 on this data report are included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

LOT # 34637000

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner Northeast Nuclear Energy Company (Name) P.O. Box 128 Waterford, Ct. 06385 (Address) Date 6/21/95 Sheet 1 of 1
2. Plant Millstone (Name) P.O. Box 128 Waterford, Ct. 06385 (Address) Unit 2
3. Work Performed by Northeast Nuclear Energy Co. (Name) P.O. Box 128 Waterford, Ct. (Address) MZ 95 00097 / NCR 294-187 Repair Organization P.O No., Job No., etc.
4. Identification of System High Pressure Safety Injection 2308
5. (a) Applicable Construction Code Sect XI 19 80 Edition, Winter 81 Addenda, Code Cases II
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements – 1980, Winter 81 Addenda, Code Cases II
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HPSI Pump Stuffing Box Extension Socket Head Cap Screw FASTENER	NOVA	N/A	N/A	N/A	MRIR # 294-520-1	N/A	Replacement	No

7. Description of Work Installed new ASTM A574-83 FASTENER AFTER REMOVING B8 FASTENER
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☑ N/A
   Pressure ____ psi Test Temp. ____ °F
9. Remarks No Pressure test required since EXISTING STUFFING BOX (Applicable Manufacturer's Data Reports to be attached) Flange was not broken. LOT # 34637000, P.O. # 954091
   ASME B&PV Code - 68 Ed thru ASME III Doc 1968

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT (repair or replacement) conforms to Section XI of the ASME Code.

Signed [signature] (Owner or Owner's Designee) SYST. ENGR. ECCS (Title) 6/21 (Date), 19 95

* CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the STD RPLMNT (Repair(s) or Replacement(s)) described in this Report on 7/6/, 1995 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.

Date 7/6/95 [signature] (Inspector) Commissions CT 1137 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

1. Owner Northeast Nuclear Energy Company (Name) Date 06-26-95
   P.O. Box 128 Waterford, Ct. 06385 (Address) Sheet 1 of 1
2. Plant Millstone Unit 2
   P.O. Box 128 Waterford, Ct. 06385 (Address)
3. Work Performed by Northeast Nuclear Energy Co. (Name) AWO # M2-94-12670 (Repair Organization P.O No., Job No., etc.)
   P.O. Box 128 Waterford, Ct. (Address)
4. Identification of System 2326A SERVICE WATER SYSTEM
5. (a) Applicable Construction Code ASME B31.1 19 73 Edition, N/A Addenda, Code Cases N/A
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements – 1980, W81 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FLOW ORIFICE 6396	MERIAM INSTRUMENT	635790-HA	—	—	SC 8000483 Mat'l 494.064-4	1994	REPLACEMENT	No

7. Description of Work REPLACED AND INSTALLED NEW FO-6396
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Other ☐
   Pressure 51 psi Test Temp. 51 °F
9. Remarks (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT (repair or replacement) conforms to Section XI of the ASME Code.

Signed T.C Quinkey (Owner or Owner's Designee) ISI Eng. Title 06-26 (Date), 19 95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I+I Co of Hartford Ct have inspected the REPLACEMENT (Repair(s) or Replacement(s)) described in this Report on Dec 9, 19 94 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.

Date 29 June 1995 Inspector Commissions CT1137 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

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

1. Owner Northeast Nuclear Energy Company (Name) Waterford, Connecticut (Address) — Date 11/30/92; Sheet 1 of 2
2. Plant Millstone (Name) Waterford, Connecticut (Address) — Unit Two
3. Work Performed by Fluor Constructors (Name) Irvine, California (Address) — Fluor Constructors, Repair Organization P.O. No., Job No., etc. M2-92-02412, M2-93-02935
4. Identification of System Steam Generator #2 Base Support

5. (a) Applicable Construction Code _____ 19__ Edition, _____ Addenda, Code Cases See Sheet 2
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, 81W Addenda, Code Cases
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
Bolting	Nova Machine	N/A	N/A	N/A		1991	Replacement	No

7. Description of Work Bolt Replacement
8. Tests Conducted: Hydrostatic _ Pneumatic _ Nominal Operating Pressure _ Other ✓ NOT APPLICABLE
   Pressure ____psi Test Temp. ____°F
9. Remarks See Attached Material Certification
   (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement (Repair or replacement) conforms to Section XI of the ASME Code.

Signed [signature] Senior Engineer January 26, 1993
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF COMPLIANCE

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT, employed by THE HSBISI CO of HARTFORD, CT have inspected the REPLACEMENT (Repair(s) or Replacement(s)) described in this Report on 08 JANUARY, 1993 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.

25 MAY 1993 E YORK ANII CT 1137 NB 9384

Date 11 FEB 93 [signature] (Inspector) ANI Commissions [illegible] (State or Province, National Board)

NOTE: Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½ 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.

AJS/evs (SGRP548)

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

1. Owner Northeast Nuclear Energy Company (Name) Date 11/30/92
Waterford, Connecticut (Address) Sheet 2 of 2
2. Plant Millstone (Name) Unit Two
Waterford, Connecticut (Address)
3. Work Performed by Fluor Constructors (Name) Fluor Constructors Repair Organization P.O. No., Job No., etc.
Irvine, California (Address)
4. Identification of System Steam Generator #2 Base Support

5(a) Applicable Construction Code: Original bolting was installed in accordance with design specifications invoking AISC requirements. Replacement bolting was installed utilizing AISC design requirements. Replacement materials met original ASTM requirements and ASME Section NF requirements (1986 Edition).

9. Bolting Material	Manufacturer	Heat Code
Studs SA193, Grade B7	Nova Machine	ZB4
Nuts SA194, Grade 4	Nova Machine	YW5

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

1. Owner Northeast Nuclear Energy Company (Name) Waterford, Connecticut (Address) — Date 11/30/92 — Sheet 2 of 2

2. Plant Millstone (Name) Waterford, Connecticut (Address) — Unit Two

3. Work Performed by Fluor Constructors (Name) Irvine, California (Address) — Fluor Constructors, Repair Organization P.O. No., Job No., etc.

4. Identification of System Steam Generator #1 Base Support

5(a) Applicable Construction Code: Original bolting was installed in accordance with design specifications invoking AISC requirements. Replacement bolting was installed utilizing AISC design requirements. Replacement materials met original ASTM requirements and ASME Section NF requirements (1986 Edition).

9. Bolting Material	Manufacturer	Heat Code
Studs SA193, Grade B7	Nova Machine	ZB4
Nuts SA194, Grade 4	Nova Machine	YW5

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

1. Owner Northeast Nuclear Energy Company (Name) Date 11/30/93
P.O. Box 128 Waterford, Ct. 06385 (Address) Sheet 1 of 1
2. Plant Millstone Unit 2
P.O. Box 128 Waterford, Ct. 06385 (Address)
3. Work Performed by Northeast Nuclear Energy Co. (Name) Millstone Unit 2 M2-93-11241 Repair Organization P.O No., Job No., etc.
P.O. Box 128 Waterford, Ct. (Address)
4. Identification of System Auxiliary Feedwater
5. (a) Applicable Construction Code 76C4-n-211/1979 Edition, _____ Addenda, Code Cases _____
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements – 1980, Winter 81 Addenda, Code Cases _____
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Clamp for Hanger 49233	Millstone 2	/	/	/	MRR # 290-035	1993	Replacement	No

7. Description of Work Fabricate a new hanger and replace the bolting.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ NU-VT-2
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement (repair or replacement) conforms to Section XI of the ASME Code.

Signed [signature] (Owner or Owner's Designee) Engineer (Title) Nov 30 (Date), 19 93

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT, employed by THE HARTFORD STEAM BOILER I&I CO., of HARTFORD, CT have inspected the STRAPSBOLTING APPLMNT [Repair(s) or Replacement(s)] described in this Report on 24 SEPTEMBER, 1993 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.

Date 01/03/94 E YORK [signature] (Inspector) Commissions CT 1137 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

Date: 3/3/94
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station

Unit: MP2

3. **Work Performed by:** Northeast Nuclear Energy Co.
P.O. Box 128, Waterford, CT

AWO M2-92-06897
Repair Organization PO No., Job No. etc.

4. **Identification of System:** Reactor Coolant

5. (a) **Applicable Construction Code:** ASME III, Class 1 1968 Edition, Sum 69 Addenda, Code Cases -
(b) **Applicable Edition of Section XI Utilized for Repairs of Replacements** ~~1981~~ Winter 1981 Addenda, Code Case -
1980 W 81

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
Reactor Vessel H1	Comb. Engr.	CE67110	N/A	N/A	N/A	Repaired	No

7. Description of Work Blend defect on gasket seating surface with belt sander

8. Test Conducted: Hydrostatic [X] Pneumatic [ ] Normal Operating Pressure [ ] Other [ ]
Test Pressure 2310 psi Test Temp 534 °F

9. Remarks:

CERTIFICATE OF COMPLIANCE

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

Signed: Title: Engineer Date: 3/3/94

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT, employed by HARTFORD STEAM BOILER I&I CO of HARTFORD, CT have inspected the REPAIR (Repair(s) or Replacement(s)) described in this Report on JANUARY 08 19~~9~~3 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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 03/16/94 ELIZABETH YORK (Inspector) Commissions CT 1137 (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS
As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
Date: 12-27-93
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
Unit: 2

3. **Work Performed by:** Northeast Nuclear Energy Co.
P.O. Box 128, Waterford, CT
AWO M2-93-07227
Repair Organization PO No., Job No. etc.

4. **Identification of System:** CVCS (2304A)

5. **(a) Applicable Construction Code:** ASME Sect III Cl 1 1983 Edition, Summer 1983 Addenda, Code Cases -
(b) Applicable Edition of Section XI Utilized for Repairs of Replacements - 1980 Winter 1981 Addenda, Code Case -

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
2-CH-442	Anchor Darling	E3265020-58	N/A		MRIR 293-152	Replacement valve	NO
2-CCA-18	NA	NA	NA	NA	MRIR 293-156-1 thru 4	Replacement fittings	NO
2-CCA-18	NA	NA	NA	NA	MRIR 389-137-555	Replacement pipe	NO

7. Description of Work Installed new valve, stub of pipe and coupling

8. Test Conducted: Hydrostatic [X] Pneumatic [ ] Normal Operating Pressure [ ] Other [ ]
Test Pressure 2300 psi Test Temp 532 °F

9. Remarks: Hydrostatic test performed in accordance with SP 2602C (RCS hydrostatic test).

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this VALVE & PPG REPLACEMENT conforms to Section XI of the ASME Code.

Signed: David M Perry Title: MNTC ENG Date: 1-22-94

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT, employed by THE HARTFORD STEAM BOILER I&I CO of HARTFORD, CT have inspected the REPLACEMENT (Repair(s) or Replacement(s)) described in this Report on AUGUST, 12 19 93 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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 31 MARCH 1993 1994 ELIZABETH YORK (Inspector) Commissions CT1137 (State or Province, National Board)

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 4 on this data report are 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

1. Owner Northeast Nuclear Energy Company (Name) Date Feb. 19 1994
   P.O. Box 128 Waterford, Ct. 06385 (Address) Sheet 1 of 1
2. Plant Millstone (Name) Unit 2
   P.O. Box 128 Waterford, Ct. 06385 (Address) AWO# M2-94-00378-
3. Work Performed by Northeast Nuclear Energy Co. (Name) Millstone Unit 2 Repair Organization P.O No., Job No., etc.
   P.O. Box 128 Waterford, Ct. (Address)
4. Identification of System High Pressure Safety Injection = 2308
5. (a) Applicable Construction Code Section III 19 71 Edition, Addenda, Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements – 19 71, Addenda, Code Cases
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HPSI Suction	N.U.A	N.A	N.A	N.A	MRIR 453-356	1994	Replacement	No
Flange Bolt					493-493			

7. Description of Work Replaced 1 bolt in suction Flange with the proper stud.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
   Pressure 2235 psi Test Temp. 67 °F
9. Remarks RETESTS 21218 21113 RETEST Z60A B-1
   (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement (repair or replacement) conforms to Section XI of the ASME Code.

Signed Jan L Hayland (Owner or Owner's Designee) Engrg (Title) 2-18 (Date), 19 94

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 NEW YORK, employed by HSB I&I Co. of HARTFORD, CT. have inspected the Replacement (Repair(s) or Replacement(s)) described in this Report on 6/2, 19 94 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.

Date 6/2/94 6-2-94 Russell B Miller (Inspector) Commissions NY 2498 (NB) 11137 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
Date: 7-17-95
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385
Unit: Millstone Unit 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
NNECO
Repair Organization P.O. No., Job No. etc.

4. **Identification of System:** Reactor Coolant (2301)

5. (a) Applicable Construction Code: ASME B&PV Section III 1968 Edition, Su 1969 Addenda, Code Cases ____ - ____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases ____ - ____

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
Pressurizer	Combustion Engineering	CE 67605	N/A	N/A	N/A	Repaired	No

7. **Description of work System:** Grind welded padeyes from manway cover. Drill and tap for a swivel hoist ring.

8. **Test Conducted:** Hydrostatic ■ Pneumatic ☐ Normal Operating Pressure ☐ Other ☐
Test Pressure 2295 psi Test Temp 534 °F

9. **Remarks:** Repair work performed under AWO M2-94-07482 ·
Retest performed under AWO M2-95-06647

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair conforms to Section XI of the ASME Code.

Signed: [signature] Title: Engineer Date: 8-9-95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I. & I. Co. of Hartford, CT have inspected the Repair described in this Report on 8/8/ 1995
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 10 Aug 1995 [signature] Commissions CT 1137-
(Inspector) (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. OWNER: Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

Date: 8/16/95
Sheet: 1 of 1

2. PLANT: Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385

Unit: Millstone Unit 2

3. Work Performed by: Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

M2-94-10242 ·
Repair Organization PO No., Job No etc.

4. Identification of System: Main Steam System (2316)

5. (a) Applicable Construction Code: ASME Section III, Class 2 1971 Edition, N/A Addenda, Code Cases - - -

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases - - -

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
Main Steam Safety Valve 2-MS-246 Inlet Flange Studs & Nuts	Nova Machine Products Corp.	N/A	N/A	N/A	MRIR 493-423 and 290-271	Replacement	No

7. Description of work System: 4 Inlet Flange Studs and 8 Nuts Replaced
Note: Original R.R. Plan called for replacement of 5 studs & 10 nuts, only 4 & 8 were used.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐ Other ☐

Test Pressure _____ psi Test Temp _____ °F

9. Remarks: Pressure test not required per Interpretation XI-1-89-09

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed: [signature] Title: Station Tech. Date: 8/16/95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I+I Co of Hartford, CT have inspected the Valve Repair described in this Report on Sept 18 1995
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 Sept 19 1995 [signature] Commissions CT 1137
(Inspector) (State or Province, National Board)

V/V SER NO. BN496Z.

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

Date: 8-8-95
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385

Unit: Millstone Unit 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

NNECO
Repair Organization PO No., Job No etc.

4. **Identification of System:** Reactor Coolant (2301)

5. (a) Applicable Construction Code: ASME Section III, Class 1 1971 Edition, W 1971 Addenda, Code Cases - - -

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases - - -

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
2-RC-404 Outlet Flange Studs & Nuts	Nova Machine	N/A	N/A	N/A	MRIR 293-279 and 493-285	Replacement	No
2-RC-404 Inlet Flange	Dresser Industries	BN07130	N/A	N/A	N/A	Repair	No

7. **Description of work System:** 1) Outlet flange studs and nuts replaced.
2) Inlet flange tounge was remachined.

8. **Test Conducted:** Hydrostatic ■ Pneumatic ☐ Normal Operating Pressure ☐ Other ☐
Test Pressure 2295 psi Test Temp 534 °F

9. **Remarks:** Work performed under AWO M2-94-10875.
Retest performed under AWO M2-95-06647.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair and replacement conforms to Section XI of the ASME Code.

Signed: _____ Title: Engineer Date: 8-9-95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I+I Co of Hartford, CT have inspected the Related Repair described in this Report on 21 July 1995
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 Aug 10, 1995 _____ Commissions 6137-78L
(Inspector) (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

Date: 7-26-95
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385

Unit: Millstone Unit 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385

NNECO
Repair Organization PO No., Job No etc.

4. **Identification of System:** Reactor Coolant (2301)

5. (a) Applicable Construction Code: ANSI B31.7 Class I 1969 Edition, _____ Addenda, Code Cases ____ - ____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases ____ - ____

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
North West Spring Can 408009	International Nuclearsafe-guards Corp.	N/A	N/A	N/A	MRIR No. 494-132 and 492-068	Replacement	No
South East Spring Can 408009	International Nuclear safe-guards Corp.	N/A	N/A	N/A	MRIR No. 493-091 and 495-118	Repaired	No

7. **Description of work System:** 1) N/W - Replace clevis bolt and nut.
2) S/E - Repair degraded bolt head.

8. **Test Conducted:** Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐ Other ■
Test Pressure _____ psi Test Temp _____ °F

9. **Remarks:** Repair work and VT-3 performed under AWO M2-95-06997.
Reference NCR 295-370.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair conforms to Section XI of the ASME Code.

Signed: _____ Title: Engineer Date: 7-26-95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I+I Co of Hartford, Ct have inspected the Replacement/Repair described in this Report on 12 Sept. 1995
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 12 Sept 95 _____ Commissions CT 1137
(Inspector) (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

#1 OF 2

1. **OWNER:** Northeast Nuclear Energy Company, P.O. Box 128, Waterford, CT 06385 — **Date:** 8-8-95; **Sheet:** 1 of 1

2. **PLANT:** Millstone Nuclear Power Station, P.O. Box 128, Waterford, CT 06385 — **Unit:** Millstone Unit 2

3. **Work Performed by:** Northeast Nuclear Energy Company, P.O. Box 128, Waterford, CT 06385 — NNECO (Repair Organization P.O. No., Job No. etc.)

4. **Identification of System:** Reactor Coolant (2301)

5. (a) Applicable Construction Code: ASME Section III, Class 1 1971 Edition, W 1971 Addenda, Code Cases ____

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases ____

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
2-RC-402 Main Disc	Dresser Industries	AAA90	N/A	N/A	N/A	Replaced	No
2-Rc-402 Main Disc	Dresser	ABL33	N/A	N/A	MRIR 289-230	Replacement	No

7. **Description of work System:** 1) Replaced main disc.

8. **Test Conducted:** Hydrostatic ■ Pneumatic ☐ Normal Operating Pressure ☐ Other ☐
   Test Pressure 2295 psi Test Temp 534 °F

9. **Remarks:** Work performed under AWO M2-94-10876.
   Retest performed under AWO M2-95-06647

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed: _____ Title: Engineer Date: 8-9-95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler Ins. Co. of Hartford, CT have inspected the Repair/Replace described in this Report on 25 Sept 1995 (Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 26 Sept 95 _____ (Inspector) Commissions CT 1157 (State or Province, National Board)

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 4 on this data report are 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 REPLACEMENTS

As Required by the Provision of ASME Code Section XI

1. **OWNER:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
Date: 7-21-95
Sheet: 1 of 1

2. **PLANT:** Millstone Nuclear Power Station
P.O. Box 128, Waterford, CT 06385
Unit: Millstone Unit 2

3. **Work Performed by:** Northeast Nuclear Energy Company
P.O. Box 128, Waterford, CT 06385
M2-94-10873 •
Repair Organization PO No., Job No etc.

4. **Identification of System:** Reactor Coolant (2301)

5. (a) Applicable Construction Code: ANSI B31.7 Class I 1969 Edition, _____ Addenda, Code Cases ____ - _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, Winter 1981 Addenda, Code Cases ____ - _____

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

Name of Component	Name of Mfr.	Mfr Ser No.	Nat'l Bd. No.	CRN No.	Other Iden.	Repaired/ Replaced/ Replacement	ASME Code Stamped (Yes or NO)
2-RC-201 Inlet Studs	Dresser Industries	BR06610	N/A	N/A	MRIR No. 290-281	Replacement	No
2-RC-201 Discharge Nut	Dresser Industries	BR06610	N/A	N/A	MRIR No. 295-023	Replacement	No

7. **Description of work System:** 1) Replace valve inlet flange studs
2) Replace one discharge flange nut.

8. **Test Conducted:** Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ■ Other ☐
Test Pressure 2300 psi Test Temp 534 °F

9. **Remarks:** Work performed under AWO M2-94-10873
Retest performed under AWO M2-95-06647

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed: _____ Title: Engineer Date: 7-21-95

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut, employed by The Hartford Steam Boiler I. & I. Co. of Hartford, CT have inspected the Replacement described in this Report on Sept 25 1995
(Repair(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 their employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor their 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 25 Sept 95 _____ Commissions CT1137
(Inspector) (State or Province, National Board)

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 4 on this data report are included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

ATTACHMENT 4

ASME SECTION XI REPAIR REPLACEMENT PLAN

(SHEET 1 OF 5)

1) TITLE:	Pipe spool replacement for Vital AC Switchgear Room Cooling Coil 181A		
2) AWO No.:	M2 95 11245	3) DATE:	10/13/95
4) SYSTEM:	Service Water	5) SYSTEM No.:	2326A
6) COMPONENT DESCRIPTION:		7)	
The 2"X 17" long bronze, braided spool located in the associated piping was subject to failure due to material incompatibility. The replacement spool is identical and will only be used until a PDCR/DCN can be done to replace the spool with a more suitible replacement.		☐ REPAIR ■ REPLACEMENT ☐ MODIFICATION	
8) PDCR No.	N/A	9) NCR No.	
10) SECTION XI CODE EDITION, ADDENDA, AND CODE CASES GOVERNING REPAIR, OR REPLACEMENT:			
Year: 1980, with Winter 1981 Addenda		Code Class: 3	
11) REASON FOR REPAIR, REPLACEMENT, OR MODIFICATION:			
The existing flexible pipe spool is subject to failure due to spool material incompatibility..			
12) EVALUATION OF CAUSE OF FAILURE AND SUITABILITY OF REPAIR, REPLACEMENT, OR MODIFICATION:			
Likely pipe spool failure is due to erosion/corrosion based on previous failures. The replacement spool is identical in construction and will be used until a more suitible material replacement can be installed.			

ATTACHMENT 4

ASME SECTION XI REPAIR REPLACEMENT PLAN

(SHEET 2 OF 5)

ITEM	ORIGINAL COMPONENT	NEW COMPONENT
13) MANUFACTURER	Senior Flexonics Inc.	Senior Flexonics Inc.
14) MATERIAL SPECIFICATION	Bellows- Copper Alloy ASTM B 508-81 Flange - Mil-C-15726 (90/10 Cu-Ni)	Bellows- Copper Alloy ASTM B 508-81 Flange - Mil-C-15726 (90/10 Cu-Ni)
15) DRAWING OR CATALOG NO.	Senior Flexonics INC. DWG. No. D-54151 Rev. 1	Senior Flexonics INC. DWG. No. D-54151 Rev. 1
16) NATIONAL BOARD NO. AND SERIAL NO.	N/A	N/A
17) FABRICATION OR CONSTRUCTION CODE, YEAR, ADDENDA, DESIGN SPECIFICATION	ASME Sect. III, Class 3, 1989 Edition, Article ND-3649.4 and Code Case N-192-2 DCN - DM2-5-0864-94	ASME Sect. III, Class 3, 1989 Edition, Article ND-3649.4 and Code Case N-192-2 SAME
18) INSTALLATION CODE, YEAR ADDENDA, AND DESIGN SPECIFICATION	ANSI B31.1, 1973	ANSI B31.1, 1973
19) MRIR NO.	292-416-1	292-416-1
20) P.O. NO.	P.O.938363	P.O. 938363

LEVEL OF USE INFORMATION

ATTACHMENT 4

ASME SECTION XI REPAIR REPLACEMENT PLAN

(SHEET 3 OF 5)

21) RECONCILE DIFFERENCES BETWEEN ORIGINAL AND NEW COMPONENT PARTS AS APPLICABLE:	
None	
22) WELD PROCEDURE:	N/A
23) HEAT TREATMENT:	N/A
24) CONSTRUCTION CODE NDE PROCEDURE AND ACCEPTANCE CRITERIA:	N/A
25) EVALUATION OF SUITABILITY OF WELD PROCESS:	N/A
26) FLAW SIZE AND MEASUREMENT:	N/A
27) FLAW IDENTIFICATION:	
☐ VISUAL ☐ NDE (SPECIFY) N/A	☐ OTHER (SPECIFY) N/A
28) FLAW REMOVAL METHOD (ATTACH DETAILED PROCEDURE):	Replace leaking spool
29) MINIMUM WALL REQUIREMENTS:	N/A

LEVEL OF USE INFORMATION

ATTACHMENT 4

ASME SECTION XI REPAIR REPLACEMENT PLAN

(SHEET 4 OF 5)

30) DESCRIPTION OF WORK TO BE PERFORMED	ANI/ANII HOLD POINTS
Remove existing leaking spool and replace with identical replacement.	
Perform inservice leak test per SP21218	
	◊ DENOTES ANI/ANII HOLD POINT. NO WORK SHALL PROGRESS PAST THIS POINT WITHOUT NOTIFYING THE ANI/ANII

REPAIR REPLACEMENT PLAN PREPARED BY:

NAME AND SIGNATURE	TITLE	DATE
[signature]	ENGINEER	10/13/05

LEVEL OF USE INFORMATION

ATTACHMENT 4

ASME SECTION XI REPAIR REPLACEMENT PLAN

(SHEET 5 OF 5)

ISI/IST/ENGINEERING REQUIREMENTS

31) PRESSURE TEST:

Shop Hydrostatically testied per P.O. 938363. This replacement part was previously inservice on cooler X-181A lower coil and will be installed on the 181A upper coil.

An inservice inspection per SP21218 is required.

32) ISI NDE AND ACCEPTANCE CRITERIA:

N/A

33) IST PUMP OR VALVE TEST:

N/A

34) APPENDIX "J" LEAK TEST:

N/A

35) COMMENTS: SINCE THIS REPAIR IS BEING MADE TO TWO (2) INCH PIPE NO NDE IS REQUIRED

ISI/IST/ENGINEERING REQUIREMENTS PREPARED BY:

Lloyd O Baird L.O. Baird — NAME AND SIGNATURE

ISI Coordinator — TITLE

10/13/95 — DATE

36) ANI/ANII REVIEW AND COMMENTS:

Have requested Mr. Ir 292-416 – To verify Entries appearing on pgs 25A & 26. Prior to NI-2 signing confirmation of this verification must be stated here. EY 10/13/95

E Yard (CTUSI-NIS — ANI/ANII SIGNATURE

10/13/95 — DATE

LEVEL OF USE INFORMATION