1. SERVICE INSPECTION REPORT 1987 REFUELING OUTAGE

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INSERVICE INSPECTION SUMMARY REPORT

FOR

NORTHEAST UTILITIES

MILLSTONE NUCLEAR POWER STATION

UNIT NO. 3

WATERFORD, CONNECTICUT

COMMERCIAL SERVICE DATE: APRIL 23, 1986

1987 REFUELING OUTAGE

APRIL 1988

MILLSTONE UNIT 3 INSERVICE INSPECTION SUMMARY REPORT

ABSTRACT

This report contains the results for the first Inservice Inspection for Millstone Unit 3. This summary addresses the requirements of the ASME Boiler and Pressure Vessel (B&PV) Code, Section XI, 1983 Edition, through Summer 1983 Addenda. Additional requirements for Augmented Inspections are also addressed.

Included are tables identifying all items subject to examination by Code Category and Code Item Number.

Inservice inspections were performed on components scheduled to be examined during the first inspection period of the first ten-year interval.

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 (Name and Address of Plant)
- 3. Plant Unit 3
- 4. Owner Certification of Authorization None $\overline{\text{(if required)}}$
- 5. Commercial Service Date 4-23-86
- 6. National Board Number for Unit N/A
- 7. Components Inspected

| | | Manu 6 | | |
|---------------------------------|------------------------------|--------------------------------------------|--------------------------|-----------------------|
| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Secial No. | State or Province No. | National Board No. |
| Reactor Vessel | Combustion Eng. | 7272 | N/A | 22003 |
| Steam Generator 1A | Westinghouse | NEGT 1776 | N/A | W13584 |
| Steam Generator 1B | Westinghouse | NEGT 1775 | N/A | W13583 |
| Manway Bolting | Westinghouse | NECT 1777 | N/A | W15215 |
| 3RCS * PIA | Westinghouse | 1-1162E93G01 | N/A | 1 |
| Reactor Coglant Pump Bolting | Westinghouse | 4~1162E93G01 | N/A | 4 |
| | | | | |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is $8\frac{1}{2} \times 11$, (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.

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| | mponent or purtenance | Manufacturer or Installer | | State or rovince No. | National Board No. |
|-----|-----------------------|------------------------------|---------------|----------------------|-----------------------|
| 3 R | V8 CS*MV8001D | Westinghouse | 25-114E937G02 | N/A | W14615 |
| 3 R | V7 CS*MV8002D | Westinghouse | 25-114E937G01 | N/A | W22514 |
| 3R | V5 CS*MV8002C | Westinghouse | 27-114E937G03 | N/A | W22645 |
| 3R | V6 CS*MV8001C | Westinghouse | 27-114E937G04 | N/A | W22695 |
| LP | 3-HL1 | Tubeco Inc. | 15377 | N/A | N/A |
| LP | 3-HL2 | Tubeco Inc. | 15378 | N/A | N/A |
| LP | 3-EC1 | Tubeco Inc. | 18302 | N/A | N/A |
| | | | | | |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province '(o. | National Board No. |
|------------------------------|------------------------------|--------------------------------------------|---------------------------|-----------------------|
| LP3-EC2 | Tubeco Inc. | 18303 | N/A | N/A |
| LP3-CL1 | Tubeco Inc. | 15379 | N/A | N/A |
| LP3-CL2 | Tubeco Inc. | 15380 | N/A | N/A |
| LP4-HL1 | Tubeco Inc. | 15381 | N/A | N/A |
| LP4-HL2 | Tubeco Inc. | 15382 | N/A | N/A |
| LP4-EC1 | Tubeco Inc. | 18304 | N/A | N/A |
| LP4-EC2 | Tubeco Inc. | 18305 | N/A | N/A |
| LP4-CL1 | Tubeco Inc. | 15383 | N/A | N/A |
| LP4-CL2 | Tubeco Inc. | 15384 | N/A | N/A |
| SL-1 | Tubeco Inc. | 15385 | N/A | N/A |
| SL-2 | Tubeco Inc. | 15386 | N/A | N/A |

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- 7. Components Inspected

| | ent or enance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|--------|---------------|------------------------------|--------------------------------------------|--------------------------|-----------------------|
| SL3 | | Tubeco Inc. | 15387 | N/A | N/A |
| 3-RCS- | 517-1-1-1 | Southwest | 35905 | N/A | N/A |
| 3RCS-5 | 17-2-1-1 | Southwest | 35900 | N/A | N/A |
| 3RCS-5 | 17-10-1-1 | Southwest | 36505 | N/A | N/A |
| 3STL-6 | -6-1-1 | Tubeco Inc. | 18311 | N/A | N/A |
| 3SIL-6 | 5-5-1-1 | Tubeco Inc. | 18310 | N/A | N/A |
| 3SIL-7 | -6-1-1 | Tubeco Inc. | 18313 | N/A | N/A |
| 3SIL-7 | 7-5-1-1 | Tubeco Inc. | 18312 | N/A | N/A |
| 3RHS-5 | 01-1-1-1 | Southwest | 36580 | N/A | N/A |
| | | | | | |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---------------------------|------------------------------|--------------------------------------------|--------------------------|-----------------------|
| 3RHS-501-2-1-1 | Southwest | 18038 | N/A | N/A |
| 3RHS-501-3-1-1 | Southwest | 18039 | N/A | N/A |
| 3RCS-505-1-1-1 | Southwest | 33989 | N/A | N/A |
| 407254 | Stone & Webster | N/A | N/A | N/A |
| 3RCS-506-2-1-1C | Southwest | 33964 | N/A | N/A |
| 408046 | Stone & Webster | N/A | N/A | N/A |
| 407023 | Stone & Webster | N/A | N/A | N/A |
| 374078 | Stone & Webster | N/A | N/A | N/A |
| | | | | |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|------------------------------|------------------------------|--------------------------------------------|--------------------------|-----------------------|
| 3RCS*V107 | Westinghouse | 10000CS880000 A0005740007 | N/A | N/A |
| 3SIL*V985 | Westinghouse | 06000CS880000 0000S740143 | N/A | N/A |
| 3SIL*V19 | Westinghouse | 10000CS880000 A000S740003 | N/A | N/A |
| 3RCS*V146 | Westinghouse | 10000CS880000 A000S740002 | N/A | N/A |
| 3SIL*V984 | Westinghouse | 06000CS880000 0000S740115 | N/A | N/A |
| 3SIL*V21 | Westinghouse | 10000CS880000 A000S740006 | N/A | N/A |
| 3RHS*V999 | Westinghouse | 12000GM88FNH 1AD04S740003 | N/A | N/A |
| 3RHS*V997 | Westinghouse | 12000GM88FNH 1AD04S740001 | N/A | N/A |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|------------------------------|------------------------------|--------------------------------------------|--------------------------|-----------------------|
| 3RCS*V26 | Westinghouse | 06000CS88000 0000S740017 | N/A | N/A |
| 3MSS-502-1-1-2 | Southwest | 19273 | N/A | N/A |
| 3MS3-502-4-1-2 | Southwest | 19276 | N/A | N/A |
| 3MSS-502-5-1-2 | Southwest | 19277 | N/A | N/A |
| 3MSS*V10 | Sulzer Bros. | 5443 | N/A | 4 |
| 3FW5-23-1-1-2 | Tubeco Inc. | 19351 | N/A | N/A |
| 3FWS-23-11-1-2 | Tubeco Inc. | 19358 | N/A | N/A |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|------------------------------|------------------------------|--------------------------------------------|--------------------------|-----------------------|
| 3FWS-25-5-1-2 | Tubeco Inc. | 19366 | N/A | N/A |
| 3FWS-25-4-1-2 | Tubeco Inc. | 19365 | N/A | N/A |
| 3RHS*E1B | Joseph Oat Corp. | 2168-5B | N/A | 781 |
| 3SIL-4-2-1-2 | Tubeco Inc. | 17392 | N/A | N/A |
| 3SIL-504-1-1-2 | Southwest | 19106 | N/A | N/A |
| 3SIL-505-1-1-2 | Southwest | 19110 | N/A | N/A |

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FORM NIS-1 (back)

- 8. Examination Dates 11-2-87 to 2-6-88
- 9. Inspection Interval from 1985 to 1995
- 10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

Abstract of Examinations are identified in Section 1 of this report.

11. Abstract of Conditions Noted.

All indications found during ISI that exceeded the acceptance criteria of ASME XI were removed or reduced to an acceptable size. All UT indications, which equalled or exceeded the recording levels of ASME Section XI, were recorded to the extent required by ASME XI. Additionally, all UT indications 20% DAC for ferritic piping and all UT indications of suspected flaws for stainless steel piping were recorded giving, as a minimum, the amplitude and location of each indication. See Section 2.1 for detailed list of conditions noted.

12. Abstract of Corrective Measures Recommended and Taken.

ISI examinations located one weld containing indications exceeding the acceptance criteria of ASME XI. These indications were located using the magnetic particle method. All indications were either removed or reduced to an acceptable size and removal was verified by reexamination. See Section 2.2 for detailed list of corrective measures recommended and taken.

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 April 25 1988 Signed Atomit by Unit 3 Supt

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

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 CT and employed by HSR IdI of HARTFORD have inspected the components described in this Owner's Data Report during the period 1/2.87 to 4-26.88, 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 4-26 1988

A.Z. Commissions C7/1/9
Inspector's Signature National Board, State, Province and No.

NORTHEAST NUCLEAR ENERGY COMPANY

MILLSTONE - UNIT NO. 3

1. PURPOSE AND SCOPE

1.1 Inservice Inspection

An inservice inspection was performed at Millstone Unit 3 over the period November 2, 1987 to February 6, 1988. The examination requirements are for the first ten-year interval (1985-1995). The inspection was the first of two examinations scheduled for the first period, per Inspection Program B.

All items were examined in accordance with the requirements of Technical Specification Section 4.0.5 and the requirements of Section XI of the ASME Boiler and Pressure Vessel Code, 1983 Edition, up to and including the Summer 1983 Addenda.

Augmented Inservice Examinations were performed to meet additional NRC requirements for Break Exclusion area as contained in Standard Review Plan 6.6. In addition, examinations were performed to complete the requirements of I&E Bulletin 79-13, "Cracking in Feedwater System Piping."

Nondestructive examinations were performed by Northeast Utilities Service Company Nondestructive Examination personnel, EBASCO Services, Inc., and Westinghouse Electric Corporation.

Automated ultrasonic examinations on B-J Category reactor coolant piping welds (centrifically cast stainless steel) were performed by Combustion Engineering, Inc., of Windsor, Connecticut.

The Reactor Coolant System boundary was visually examined during the system Leakage Test. No leakage was identified.

The Inservice Inspection Program was reviewed by the Hartford Steam Boiler Inspection and Insurance Company. They provided Northeast Nuclear Energy Company (NNECO) with the authorized nuclear inservice inspector for the 1987 refueling outage.

1.2 Abstract of Examinations

1.2.1 A summary of the examinations performed for ISI are sorted by code category, code item number, and system in Table 1.

1.3 Abbreviations

The following abbreviations listed below are defined as used within the text of this report:

| Ab | breviation | Definition |
|----|------------|------------------------------------------|
| | UT | Ultrasonic Test |
| | PT | Penetrant Test |
| | MT | Magnetic Particle Test |
| | RT | Radiographic Test |
| | VT-1,2,3,4 | Visual Test Followed by Exam Type Number |
| | I/D | Inside Diameter |
| | 0/D | Outside Diameter |
| | NUSCO | Northeast Utilities Service Company |
| | NU | Northeast Utilities |
| | NNECO | Northeast Nuclear Energy Company |
| | EBASCO | Electric Bond and Share Company |
| | CE | Combustion Engineering, Inc. |
| | C/S | Carbon Steel |
| | S/S | Stainless Steel |
| | RC Piping | Reactor Coolant Piping |
| | S/G | Steam Generators |
| | RPV | Reactor Pressure Vessel |
| | CW | Clockwise |
| | CCW | Counter Clockwise |
| | HAZ | Heat Affected Zone |
| | SRP6.6 | Standard Review Plan 6.6 |
| | LPSI | Low Pressure Safety Injection System |
| | ECT | Eddy Current Testing |
| | RCS | Reactor Coolant System |
| | RHS | Residual Heat Removal System |
| | WRV | Weld-Required Volume |
| | | |

2. INSPECTION PLAN DESCRIPTION

2.1 Abstract of Conditions Noted

- 2.1.1 Summary of Examination Results, Table 2, details the type of examination performed and their results, for each component selected for ISI.
- 2.1.2 All items reported in Table 2 are creditable to the first period of the first inspection interval.
- 2.1.3 The result of the examinations are listed as satisfactory, acceptable, or repaired. Satisfactory defines an examination which found no relevant indications. Acceptable defines an examination which found relevant indications, but were dispositioned acceptable per the Acceptance Criteria (see Section 5). Repaired defines an examination which revealed an unacceptable indication which was corrected.

2.2 Abstract of Corrective Measures Recommended and Taken

- 2.2.1 Examination results which contained indications were provided to NUSCO for evaluation and confirmation of results. Disposition of all weld indications was made by NUSCO per company procedure ACP-QA-9.06A, "Reporting of Unresolved Indications."
- 2.2.2 All defects noted during ISI with dimensions exceeding the acceptance criteria were identified for repair in accordance with Administrative Procedure ACP-QA-2.18.
- 2.2.3 The defect removal was performed by NNECO in accordance with the quality assurance requirements of ACP-QA-2.18.
- 2.2.4 Upon completion of the repair, the area or volume containing the defect was re-examined using the same examination method which was employed when the defect was detected.
- 2.2.5 Evaluation criteria for ISI examinations is discussed in Section 5.
- 2.2.6 For specific details of all inservice inspection repairs/replacements, refer to Owner's eport for Repairs or Replacements, Form NIS-2, in Section 6.

2.3 Additional Examinations

Additional examinations, per IWX-2430, are required when indications exceed the allowable standards of IWB and IWF-3000. For a detailed list of these examinations, refer to Table 3.

2.4 Augmented Examinations

Summa y Table

| Description | Requi ement | Number of Items Examined | Details in Table |
|---------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------|------------------|
| Examinations of feedwater piping for cracking | I&E B lletin 79-13 | 20 welds 4 base metal areas | 4 |
| Balance of plant piping inspection program for erosion/corrosion | I&E Bulletin 87-01 | 49 | 5 |
| Visual examination of reactor vessel closure head interior surfaces | FSAR | 1 | 6 |
| Eddy current examinations of steam generator tubing | Plant technical specifications Section 4.4.5.0 | 2054 | 7 |
| Visual examination and inservice testing of snubbers | Plant technical specifications Section 3/4.7.10 | 1044 | 8 |

NORTHEAST NUCLEAR ENERGY COMPANY

MILLSTONE UNIT 3

TABLE 1

SUMMARY OF EXAMINATIONS

| CODE CATEGORY/ITEM | SYSTEM | EXAMINED |
|-----------------------|--------------------|----------------------------------------|
| | | CLASS 1 |
| B-B: Pressure Retai | ning Welds | in Vessels Other Than Reactor Vessel |
| B2.40 | RCS | 1 |
| B-D: Full Penetration | on Welds o | f Nozzles in Vessels |
| B3.130 | RCS | 4 |
| B-F: Pressure Retain | ning Dissi | milar Metal Welds |
| B5.70 | RCS | 4 |
| B-G-1: Pressure Ret | aining Bol | ting, Greater than 2 in. Diameter |
| B6.180 | RCS | 1 (Note 1) |
| B-G-2: Pressure Reta | ining Bolt | ing, 2 in. and Less in Diameter |
| B7.30 | RCS | 4 (Note 1) |
| 87.60 | RCS | 1 (Note 1) |
| B7.70 | LPSI RCS RHS | 6 (Note 1) 1 (Note 1) 2 (Note 1) |
| B-J: Pressure Retai | ning Welds | in Piping |
| B9.11 | RCS RHS LPSI | 49 7 11 |
| B9.21 | SIH | 15 11 |
| B9.32 | RCS | 11 |
| B-L-2: Pump Casings | | |
| B12.20 | RCS | 1 |

TABLE 1 (Cont'd)

SUMMARY OF EXAMINATIONS

CODE CATEGORY/ITEM SYSTEM FXAMINT

CLASS 1 (Cont'd)

B-N-1: Interior of Reactor Vessel

B13.10

RPV 1

B-P: All Pressure Retaining Components

See Section 2.0

CLASS 2

| C-A: | Pressure l | etaining Welds in | Pressure Vessels |
|-----------------|------------|-------------------|---------------------------------------|
| C1.10 | | S/G | 1 |
| C1.30 | | S/G RHS | 1 |
| C-B: | Pressure R | etaining Nozzle | Welds in Vessels |
| C2.21 | | S/G | 2 |
| C2.31 | | RHS | 2 |
| C-C: | Integral A | ttachments for P | iping |
| C3.20 | | FWS LPSI | 1 3 |
| C-D: | Pressure R | etaining Bolting | Greater than 2 in. Diameter |
| C4.40 | | MSS | 1 (Note 1) |
| C-F-1: Alloy | | Retaining Welds | in Auric Fric Stainless Steel or High |
| C5.11 | | IPSI | 12 |
| C-F-2: | Pressure | Retaining Welds | in Carbon and Low Alloy Steel Piping |
| C5.51 | | MSS FWS | 3 3 |
| C5.52 | | MSS | 5 |
| | | | |

FWS 2

C5.81

TABLE 1 (Cont'd)

SUMMARY OF EXAMINATIONS

CODE CATEGORY/ITEM SYSTEM EXAMINED

CLASS 2 (Cont'd)

C-H: All Pressure Retaining Components

See Section 2.0

CLASS 3

D-B: System in Support of ECC, CHR and RHR

D2.20

SWP

2

D2.10 See Section 2.0

NOTE 1: The numbers given reflect the number of components (pumps, valves, etc.) containing the items requiring inspection.

TABLE 1 (Cont'd)

SUMMARY OF EXAMINATIONS

IWF EXAMINATIONS

| CODE | CATEGORY | SYSTEM | EXAMINED |
|------|------------------------------|--------------------|---------------|
| | CLASS | 1 | |
| F-B: | Linear Type Supports | RHS SIH | 2 50 |
| F-C: | Component Standard Supports | RCS RHS SIH | 4 4 7 |
| | <u>CL</u> | ASS 2 | |
| F-B: | Linear Type Supports | FUS MSS LPSI | 10 2 20 |
| F-C: | Component Standard Supports | FWS MSS LPSI | 8 3 18 |
| | CI | ASS 3 | |
| F-B: | Linear Type Supports | SWP | 23 |
| F-C: | Component Standards Supports | SWP | 4 |

NORTHEAST NUCLEAR ENERGY COMPANY

MILLSTONE UNIT 3

TABLE 2

EXAMINATION RESULTS

ASME CLASS 1 COMPONENTS

CATEGORY B-B

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|--------------------|----------------|--------------|------------------------------------------------------------------------------------------|
| STEAM GENERATOR-1B | | | |
| 03-004-SW-Z | UT (0, 45, 60) | Satisfactory | Scan from HEAD side only due to Tube Sheet Configuration. |
| | CAT | EGORY B-D | |
| STEAM GENERATOR-1A | | | |
| 03-003-SW-U | UT (0, 45, 60) | Satisfactory | Scan from one side only due to Nozzle Configuration. |
| 03-003-SW-V | UT (G, 45, 60) | Satisfactory | Scan from one side only due to Nozzle Configuration. |
| STEAM GENERATOR-18 | | | |
| 03-004-SW-U | UT (0, 45, 60) | Satisfactory | Scanned from one side only due to Nozzle Configuration. |
| 03-004-SW-V | UT (0, 45, 60) | Satisfactory | Scanned from one side only due to Nozzle Configuration. |
| | CAT | EGORY B-F | |
| REACTOR COOLANT LO | OOP PIPING | | |
| PCS-LP-3-FW-4 | UT (45) | Satisfactory | One-sided examination (pipe side), due to OD configuration. CE automated equipment used. |
| | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-------------------|-------------|---------------|------------------------------------------------------------------------------------------|
| RCS-LP-3-FW-5 | UT (45) | Satisfactory | One-sided examination (pipe side), due to OD configuration. CE automated equipment used. |
| | PT | Satisfactory | None |
| RCS-LP-4-FW-4 | UT (45) | Satisfactory | One-sided due to O/D configuration. CE automated equipment used. |
| | PT | Acceptable | Numerous small indications within the Acceptable Limits. |
| RCS-LP4-FW-5 | UT (45) | Satisfactory | Scan limited to nozzle side due to O/D taper. CE automation equipment used. |
| | PT | Acceptable | Two rounded indications within the Acceptable Limits. |
| | <u>C</u> | ATEGORY B-G-1 | |
| REACTOR COOLANT P | UMP - 1D | | |
| 03-011-002 | UT (0) | Satisfactory | None |
| | <u>c</u> | ATEGORY B-G-2 | |
| LPSI VALVE BOLTIN | IG | | |
| RCS-V-107 | VT-1 | Satisfactory | Examined in-place under tension. |
| RCS-V-146 | VT-1 | Satisfactory | Examined in-place under tension. |
| SIL-V-19 | VT-1 | Satisfactory | Examined in-place under tension. |
| SIL-V-21 | VT-1 | Satisfactory | Examined in-place under tension. |
| | | | |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|---------------------|-----------------------|---------------|------------------------------------------------------------------------------|
| COMPONENT/ WELD | EARITMITON | | |
| SIL-V-984 | VT-1 | Satisfactory | Examined in-place under tension. |
| SIL-V-985 | VT-1 | Satisfactory | Examined in-place under tension. |
| REACTOR COOLANT SYS | STEM VALVE BOLTING | | |
| RCS-V-26 | VT-1 | Satisfactory | Examined in-place under tension. |
| RESIDENTUAL HEAT R | EMOVAL VALVE BOLTING | | |
| RHS-V-997 | VT-1 | Satisfactory | Examined in-place under tension. |
| RHS-V-999 | VT-1 | Satisfactory | Examined in-place under tension. |
| STEAM GENERATOR (1) | D) MANWAY BOLTING AND | D NUTS | |
| 03-006-001-(1-16) | VT-1 | Satisfactory | Inlet manway studs (1 through 16) |
| 03-006-002-(1-16) | VT-1 | Satisfactory | Inlet manway nuts (1 through 16) |
| 03-006-003-(1-16) | VT-1 | Satisfactory | Outlet manway studs (1 through 16) |
| 03-006-004-(1-16) | VT-1 | Satisfactory | Outlet manway nuts (1 through 16) |
| REACTOR COOLANT PU | MP ID SEAL BOLTING | | |
| 03-011-004 | VT-1 | Repaired | 10 out of 16 bolts had severe corrosion on the bolt heads and were replaced. |
| | CAT | EGORY B-J | |
| REACTOR COOLANT SY | STEM PIPING (<4 IN N | OM PIPE SIZE) | |
| | | | |

| RCS-LP3-CL1-SW-C | PT | Satisfactory | None |
|------------------|----|--------------|------|
| RCS-LP3-CL2-SW-D | PT | Satisfactory | None |
| RCS-LP3-CL2-SW-E | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|---------------------|--------------------|---------------|---------|
| RCS-LP3-EC2-SW-D | PT | Satisfactory | None |
| RCS-LP3-EC2-SW-E | PT | Sar isfactory | None |
| RCS-LP3-EC2-SW-F | PT | Satisfactory | None |
| RCS-LP3-HL2-SW-F | PT | Satisfactory | None |
| RCS-LP4-CL1-SW-C | PT | Satisfactory | None |
| RCS-LP4-CL2-SW-D | PT | Satisfactory | None |
| RCS-LP4-CL2-SW-G | PT | Satisfactory | None |
| RCS-LP4-HL2-SW-F | PT | Satisfactory | None |
| RCS-5-FW-13 | PT | Satisfactory | None |
| RCS-5-FW-14-1 | PT | Satisfactory | None |
| RCS-5-FW-16 | PT | Satisfactory | None |
| RCS-5-FW-17-1 | PT | Satisfactory | None |
| RCS-506-2-SW-4 | PT | Satisfactory | None |
| RCS-506-2-SW-5 | PT | Satisfactory | None |
| RCS-506-2-SW-6 | PT | Satisfactory | None |
| 374078-FW-7 | PT | Satisfactory | None |
| 374078-FW-8 | PT | Satisfactory | None |
| 408046-FW-5 | PT | Satisfactory | None |
| 408046-FW-6 | PT | Satisfactory | None |
| HPSI PIPING (<4 IN. | NOMINAL PIPE SIZE) | | |
| 407023-FW-1 | PT | Satisfactory | None |
| 407023-FW-2 | PT | Satisfactory | None |
| 407023-FW-3 | PT | Satisfactory | None |
| 407023-FW-4 | PT | Satisfactory | None |
| 407023-FW-5 | PT | Satisfactory | None |
| | | | |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|------------------|---------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 407023-FW-6 | PT | Satisfactory | Gouge in base material, out of the area of interest was blended smooth and checked for minimum wall thickness (found acceptable). |
| 407254-FW-15 | PT | Satisfactory | None |
| 407254-FW-49 | PT | Satisfactory | None |
| 407254-FW-50 | PT | Satisfactory | None |
| 407254-FW-53-1 | PT | Satisfactory | None |
| 407254-FW-54 | PT | Satisfactory | None |
| 407254-FW-63-1 | PT | Satisfactory | None |
| 407254-FW-85 | PT | Satisfactory | None |
| 408046-FW-3 | PT | Satisfactory | None |
| 408046-FW-4 | PT | Satisfactory | None |
| REACTOR COOLANT | LOOP PIPING (≥ 4 IN | . NOMINAL PIPE SIZE) | |
| RCS-LP3-EC2-SW-B | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RCS-LP3-FW-2 | UT (45) | Satisfactory | Limited scan on one side due to O/D configuration. |
| | PT | Satisfactory | None |
| RCS-LP3-FW-3 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. |
| | | | |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|------------------|-------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| | PT | Satisfactory | None |
| RCS-LP3-FW-6 | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RCS-LP3-FW-7 | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RCS-LP3-FW-8 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. |
| | PT | Satisfactory | None |
| RCS-15-FW-27 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. |
| | PT | Satisfactory | None |
| RCS-15-FW-28 | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RCS-15-FW-29 | UT (45) | Satisfactory | One-sided exam (pipe side) only due to valve transition. |
| | PT | Satisfactory | None |
| RCS-LP4-EC2-SW-B | UT (45) | Satisfactory | Limited scan from 2.0" to 4.0" (circumferential measurement clockwise from 0) due to branch connection interference. |
| | PT | Satisfactory | None |
| RCS-LP4-FW-2 | UT (45) | Satisfactory | One-sided (pipe side) examination due to O/D configuration |
| | PT | Satisfactory | None |
| RCS-LP4-FW-3 | UT (45) | Satisfactory | One-sided (pipe side) examination due to O/D configuration |

CATEGORY B-J (Continued)

| | - | | |
|--------------------|-------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
| RCS-LP4-FW-EC1-BMR | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| | PT | Satisfactory | None |
| RCS-LP4-FW-6 | UT (45) | Satisfactory | Indications on ID evaluated as counterbore. |
| | PT | Satisfactory | None |
| RCS-LP4-FW-7 | UT (45) | Satisfactory | Limited scan 2 inches in length due to branch piping interference. |
| | PT | Acceptable | One (1) 1/8" diameter rounded indication. |
| RCS-LP4-Fh-8 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. |
| | PT | Satisfactory | None |
| RCS-20-FW-37 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. Limited scan from 9 o'clock to 12 o'clock (90°) due to branch connection interference. |
| | PT | Satisfactory | None |
| RCS-20-FW-38 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. Limited scan from 12 o'cloc' to 3 o'clock (90°) due to branch connection interference. |
| | PT | Satisfactory | None |
| RCS-20-FW-39 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. Limited scan for 6" of weld length due to branch connection |

interference.

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-------------------|----------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| | PT | Satisfactory | None |
| REACTOR COOLANT S | YSTEM PIPING (≥ 4 IN | N. NOMINAL PIPE SIZE) | |
| RCS-SL-FW-1 | UT (0, 45, 60) | Satisfactory | Indications from I/D Geometry. Evaluated as root reflector. |
| | PT | Satisfactory | None |
| RCS-SL-FW-2 | UT (45) | Satisfactory | Two indications from I/D Geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-FW-3 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-FW-4 | UT (45) | Satisfactory | One-sided examination (pipe side) due to nozzle configuration. Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-SW-6 | UT (45) | Satisfactory | Indications from I/D Geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-2-SW-F | UT (45) | Satisfactory | Two indications from I/D Geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-3-SW-B | UT (45) | Satisfactory | Indications from I/D geometry located 360° (intermittent). Evaluated as root reflectors. |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|-------------------------------------------------------------------------------------------------|
| | PT | Satisfactory | None |
| RCS-SL-3-SW-C | UT (45) | Satisfactory | Indications from I/D geometry located 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-3-SW-D | UT (45) | Satisfactory | Indications from I/D geometry, 360° interpretent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SI3-SW-E | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors and counterbore. |
| | PT | Satisfactory | None |
| RCS-SL-3-SW-F | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-3-SW-G | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-SL-3-SW-H | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors. |

| | CHILDON C | (00110111111111111111111111111111111111 | |
|----------------|-------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
| | PT | Satisfactory | None |
| RCS-505-FW-12 | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors. One-sided (pipe side) examination due to O/D configuration. |
| | PT | Satisfactory | None |
| RCS-517-FW-11 | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RCS-517-1-SW-3 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None * |
| RCS-517-2-SW-2 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RHS-501-FW-1 | UT (0,45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors and counterbore. |
| | PT | Satisfactory | None. |
| RHS-501-FW-2 | UT (45) | Satisfactory | One-sided exam due to O/D configuration. Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| RHS-501-1-SW-2 | UT (45) | Satisfactory | Indications from I/D Geometry. Evaluated as root reflectors and counterbore. |
| | PT | Satisfactory | None |
| RHS-501-1-SW-3 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RHS-501-1-SW-4 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RHS-501-1-SW-5 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| SIL-6-FW-10 | UT (45) | Satisfactory | One-sided examinations (pipe side) due to O/D configuration. Indications from I/D geometry 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| SIL-6-FW-11 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. Indications from I/D geometry 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-------------------|----------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIL-6-6-SW-B | UT (45) | Satisfactory | No scan from 8" CW to 11" CW due to welded box restraint limits access. Indications from I/D geometry 360° intermettent. Evaluated as beam redirection. |
| | PT | Satisfactory | None |
| S1L-6-6-3W-C | UT | Satisfactory | Indications from I/D geometry 360° intermittent. Evaluated as beam redirection. |
| | PT | Satisfactory | None |
| SIL-7-FW-10 | UT | Satisfactory | (pipe side) due to C/D configuration. |
| | PT | Satisfactory | None |
| SIL-7-FW-11 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. |
| | PT | Satisfactory | None |
| SIL-7-FW-20-1 | UT (45) | Satisfactory | None |
| | TT | Satisfactory | None |
| SIL-7-6-SW C | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RESIDUAL HEAT REM | MOVAL SYSTEM (≥ 4 II | N. NOMINAL PIPE SIZE) | |
| RHS-501-FW-3 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. |
| | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|--------------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| RHS-501-FW-4 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | One linear indication 3/64" in length at 6-3/8" CW from 0. |
| RHS-501-FW-5 | UT (45) | Satisfactory | One-side examination (pipe side) due to O/D configuration. Indications from I/D geometry, 360° intermittent. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RHS-501-3-SW-2 | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RHS-501-3-8W-3 | UT (45) | Satisfactory | None |
| | PT | Satisfactory | None |
| RHS-501-3-SW-4 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| RHS-501-3-SW-5 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors and counterbore. |
| | PT | Satisfactory | None |
| LOW-PRESSURE SAFET | Y INJECTION SYSTEM (| ≥ 4 IN. NOMINAL PIPE | SIZE) |
| SIL-6-FW-8 | UT (45) | Satisfactory | One-sided exam (pipe side) due to O/D configuration. Indications from I/D geometry. Evaluated as root reflectors. |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | PT | Satisfactory | None |
| SIL-6-FW-9 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. One indication 1" in length from I/D geometry. Evaluated as root reflector. |
| | PT | Satisfactory | None |
| SIL-6-5-SW-B | UT (45) | Satisfactory | Indications from I/D geometry, 360° intermittent. Evaluated as beam redirection. |
| | PT | Satisfactory | None |
| SIL-6-5-SW-E | UT (45) | Satisfactory | One-sided examination due to O/D configuration. Indications from I/D geometry, 360° intermittent. Evaluated as beam redirection. |
| | PT | Satisfactory | None |
| SIL-6-5-SW-G | UT (45) | Satisfactory | One-sided examination, due to O/D configuration. Indications from I/D geometry, 360° intermittent. Evaluation as beam redirection. |
| | PT | Satisfactory | None |
| S'L-7-FW-8 | UT (60) | Satisfactory | Indications from I/D geometry. Evaluated as root geometry. |
| | PT | Satisfactory | None |

CATEGORY R-I (Continued)

| | CATEGORY B- | J (Continued) | | | | |
|------------------|------------------------|---------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS | | | |
| SIL-7-5-SW-B | UT (45) | Satisfactory | None | | | |
| | PT | Satisfactory | None | | | |
| SIL-7-5-SW-E | UT (45) | Satisfactory | One-sided examination due to O/D configuration. | | | |
| | PT | Satisfactory | None | | | |
| SIL-7-5-SW-G | UT (45) | Satisfactory | One-sided examination due to O/D configuration. Indications from I/D geometry. Evaluated as root reflectors. | | | |
| | PT | Satisfactory | | | | |
| | C | ATEGORY B-L-2 | | | | |
| REACTOR COOLANT | EACTOR COOLANT PUMP 1A | | | | | |
| 03-008-001 | VT-3 | Satisfactory | Pump was disassembled for maintenance. VT-3 was performed per Section XI and Relief Request IR-4. | | | |
| | <u>C.</u> | ATEGORY B-N-1 | | | | |
| REACTOR PRESSURE | VESSEL (INTERIOR) | | | | | |
| 03-001-003 | VT-3 | Acceptable | Review of the video tape of the examination shows minor surface scratches. Evaluated as acceptable. | | | |
| | | CATEGORY B-P | | | | |
| All Pressure | VT=2 | Satisfactory | The Reactor Pressure | | | |

Components of the Reactor Coolant System

Retaining

The Reactor Pressure Vessel and associated Class | piping and components receive a system leakage test in accordance with IWA-5000.

CATEGORY C-A

| CO-PONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|--------------------|--------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STEAM GENERATOR 12 | 1 | | |
| 03-053-SW-G | UT (0,45,60) | Satisfactory | Scanning limitation due to lift off 360° intermittents due to O/D configuration. |
| 03-053-SW-Y | UT (0,45,60) | Satisfactory | Examined 1/3 of weld length. Scanned from shell side only due to O/D configuration. |
| VERTICAL RESIDUAL | HEAT EXCHANGER B) | | |
| 03-074-004 | UT (45) | Satisfactory | Limited scan for 25½ inches of weld length due to pipe saddle interference. Indications from I/D and O/D geometry. Evaluated as root and weld crown reflectors. |
| | CA | TEGORY C-B | |
| VERTICAL RESIDUAL | HEAT EXCHANGER (B) | | |
| RHS-3-FW-49 | PT | Satisfactory | None |
| RHS-3-FW-53 | PT | Satisfactory | None |
| STEAM GENERATOR 1 | A | | |
| 03-053-SW-R | UT (0, 45, 60) | Satisfactory | One-sided examination due O/D configuration. Limited scan due to |

MT Satisfactory

Limited scan on 12 inches of weld length due to interference from permanent mounted insulation support brackets. See Relief Request IR-7.

insulation support

brackets.

CATEGORY C-B (Continued)

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|----------------|--------------|--------------------------------------------------------------------|
| 03 ·053-SW-T | UT (0, 45, 60) | Satisfactory | Limited scan due to permanent mounted insulation support brackets. |
| | MT | Satisfactory | None |

CATEGORY C-C

FEEDWATER SYSTEM

3-FWS-PSSH011 MT Satisfactory None

LOW PRESSURE SAFETY INJECTION SYSTEM

3-SIL-1-PSSP400 PT Satisfactory None
3-SIL-1-PSSP402 PT Satisfactory None

3-SIL-4-PSR040 PT Satisfactory HAZ not accessible due to welded pipe clamp.

CATEGORY C-D

MAIN STEAM SYSTEM VALVE BOLTING

MSS-V-10 UT (70°) Satisfactory None

CATEGORY C-F

FEEDWATER SYSTEM PIPING (> 4 IN. NOMINAL PIPE SIZE)

FWS-23-FW-1 UT (45) Acceptable

3 linear indications (midwall) within the acceptable limits. Indications from I/D geometry. Evaluated as root reflectors.

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|---------------------------------------|----------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | MT | Repaired | A 1½" long linear indications was found in the weld HAZ. Microstructural analysis revealed the indication to be .075" deep with (2) additional subsurface indications, intergranular in nature, about the same depth and 0.065" from the first indication. Evaluated as hydrogen contamination cracking and not service induced. Weld was repaired by grinding and rewelding. Retest was acceptable. |
| FWS-23-FW-2 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. |
| | MT | Satisfactory | None |
| FWS-25-FW-6-1 | RT | Satisfactory | Examined to meet ASME III, Subsection NC, Article NC-5000. Configuration does not allow for UT. |
| | MT | Satisfactory | None |
| FWS-25-FW-4-BM (Branch connection) | MT | Satisfactory | None |
| FWS-21-FW-4D-M (Branch connection) | MT | Satisfactory | None |
| MAIN STEAM SYSTEM (| > 4 IN. NOMINAL PIPE | SIZE) | |
| MSS-502-FW-1-1 | UT (45) | Satisfactory | One-sided examination (pipe side) due to O/D configuration. Indication from I/D geometry. Evaluated as root reflectors. |
| | MT | Satisfactory | None |
| | MT | Satisfactory | Evaluated as root reflectors. |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|---------------------|--------------------|--------------------|-----------------------------------------------------------------------------------------------------------------|
| MSS-502-FW-4-2M | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as counterbore. |
| | MT | Satisfactory | None |
| MSS-502-FW-5 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as counterbore. |
| | MT | Satisfactory | None |
| MSS-502-FW-5-LS-16 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| MSS-502-1-LS-1 | UT | Satisfactory | None |
| | MT | Satisfactory | None |
| MSS-502-FW-4-LS-14 | UT | Satisfactory | None |
| | MT | Satisfactory | None |
| MSS-502-4-LS-20 | UT | Satisfactory | One-sided exam due to saddle support interference. Indications from I/D geometry. Evaluated as root reflectors. |
| | MT | Satisfactory | None |
| MSS-502-5-LS-15 | UT | Satisfactory | None |
| | MT | Satisfactory | None |
| LOW-PRESSURE SAFETY | INTECTION (> 4 IN. | NOMINAL PIPE SIZE) | |
| SIL-157-FW-2 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIL-157-FW-3 | UT (45) | Satisfactory | One-sided exam due to welded restraint inter-ference. Indications from I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |
| SIL-41-FW-1 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. |
| | PT | Satisfactory | None |
| SIL-41-FW-1-7M | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors and counterbore. |
| | PT | Satisfactory | None |
| SIL-504-FW-15 | UT (45, 60) | Satisfactory | No axial scan (60°) on valve side due to 0/D configuration. No circumferential scan (45°) on valve side due to 0/D configuration. 100 percent WRV examined to meet SRP6.6. |
| | PT | Satisfactory | None |
| SIL-505-1-SW-2 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors caused by beam redirection. |
| | PT | Satisfactory | None |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-----------------|-------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIL-505-1-SW-4 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root reflectors caused by beam redirection. |
| | PT | Acceptable | Surface indications evaluated as scratches on pipe. |
| SIL-504-1-SW-8 | UT (45) | Satisfactory | One-side examination due to pipe support interference. Indications from I/D geometry. Evaluated as root reflectors. 100 percent WRV examined to meet SRP6.6. |
| | PT | Satisfactory | None |
| SIL-504-1-SW-10 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. Indications from I/D geometry. Evaluated as root reflectors and beam redirection. 100 percent WRV examined to meet SRP6.6. |
| | PT | Satisfactory | None |
| SIL-504-1-SW-2 | UT (45) | Satisfactory | Indications from I/D geometry. Evaluated as root geometry and beam redirection. |
| | PT | Satisfactory | None |
| S1L-504-1-SW-7 | UT (45) | Satisfactory | One-sided examination due to O/D configuration. Indications from I/D geometry. Evaluated as root reflectors and beam redirection. 100 percent WRV examined to meet SRP6.6. |
| | PT | Acceptable | Arc strike found on pipe. Evaluated as acceptable. |

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|--------------------------------------------------------------|
| SIL-501-2-SW-6 | UT (45) | Satisfactory | Indications .rom I/D geometry. Evaluated as root reflectors. |
| | PT | Satisfactory | None |

CATEGORY D-B

| COMPONENT/WE'LD | EXAMINATION | RESULTS | REMARKS |
|--------------------|-------------|--------------|---------|
| SERVICE WATER SYST | TEM PIPING | | |
| 3-SWP-6-PSA038-W | VT-3 | Satisfactory | None |
| 3-SWP-6-PSA048-W | VT-3 | Satisfactory | None |

CLASS 1

CATEGORY F-B

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-------------------|--------------------|--------------|---------|
| RESIDUAL HEAT REM | OVAL SYSTEM | | |
| 3-RHS-1-PSR003 | VT-3 | Satisfactory | None |
| 3-RHS-1-PSR005 | VT-3 | Satisfactory | None |
| HIGH PRESSURE SAF | ETY INJECTION SYST | EM | |
| 3-SIH-1-PSA251 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSA266 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSA342 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSA533 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR252 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR253 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR254 | VT-3 | Satisfactory | None |
| 3-SIH-1-P3R255 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR256 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR257 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR258 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR259 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR260 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR261 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR262 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR263 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR264 | VT-3 | Satisfactory | None |
| 3-SIH-1-P3R265 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR268 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR339 | VT-3 | Satisfactory | None |

CLASS 1

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|---------|
| 3-SIH-1-PSR340 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR341 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR350 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR351 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR352 | VT-3 | Satisfactory | None |
| 3-SIE-1-PSR353 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR510 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR511 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR512 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR513 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR514 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR515 | VT = 3 | Satisfactory | None |
| 3-SIH-1-PSR516 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR517 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR518 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR519 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR520 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR521 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR522 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR523 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR524 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR525 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR526 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR527 | VT-3 | Satisfactory | None |
| | | | |

CLASS 1

CATECORY F-B (Continued)

| COMPONENT/WELD | EXAMINATION | RESULTS | REMALKS |
|---------------------|---------------------|--------------|-------------------------|
| 3-SIH-1-PSR528 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR529 | VT-3 | Satisfactory | Mone |
| 3-SIH-1-PSR530 | VT-3 | Satisfactory | Mone |
| 3-SIH-1-PSR532 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSR534 | VT-3 | Satisf : ory | None |
| 3-SIH-1-PSR535 | VT-3 | Satisfactory | None |
| | CATE | GORY F-C | |
| REACTOR COCLANT SYS | TEM | | |
| 3 KCS-1-PSR168 | VT-3 | Satisfactory | None |
| 3-RCS-1-PSSH520 | VT-3 | Satisfactory | None |
| 3-RCS-1-PSSH524 | VT-3/VT-4 | Satisfactory | Mone |
| 3-RCS-1-PSSH531 | VT-3/VT-4 | Satisfactory | None |
| RESIDUAL HEAT REMOV | AL SYSTEM | | |
| 3-RHS-1-PSR014 | VT-3 | Satisfactory | None |
| 3-RHS-1-PSST001 | VT - 3 | Satisfactory | None |
| 3-RHS-1-PSST002 | VT-3 | Repaired | Tightened locknuts |
| 3-RHS-1-PSST004 | VT-3 | Satistactory | N. ne |
| HIGH PRESSURE SAFET | TY INJECTION SYSTEM | | |
| 3-5 SH-1-PSR267 | VT-3 | Satisfactory | None |
| 3-SIH-1-P9R647 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSSH623 | VT-3/VT-4 | Acceptable | Misalignment acceptable |
| 3-SIH-1-PSST084 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSST161 | VT-3 | Satisfactory | None |
| | | | |

CLASS 1

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-----------------|-------------|--------------|---------|
| 3-SIH-1-PSST354 | VT-3 | Satisfactory | None |
| 3-SIH-1-PSST531 | VT-3 | Satisfactory | None |

CLASS 2

CATEGORY F-B

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|---------------------|-------------|--------------|---------|
| FEEDWATER SYSTEM | | | |
| 3-FWS-1-PSR001 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR003 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR004 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR006 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR007 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR008 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR009 | VT-3 | Setisfactory | None |
| 3-FWS-1-PSR013 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR016 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSF' | VT-3 | Satisfactory | None |
| MAIN STRAM SY LEM | | | |
| 3-MSS-1-PSR125 | VT-3 | Satisfactory | None |
| 3-MSS-1-PSR127 | VT-3 | Satisfactory | None |
| LOW PRESSURE SAFETY | INJECTION | | |
| 3-SIL-1-PSA190 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSA487 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSA490 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSA497 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR005 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR008 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR010 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR011 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR012 | VT-3 | Satisfactory | None |
| | | | |

CLASS 2

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|---------|
| 3-SIL-1-PSR192 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR193 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR194 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR195 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR196 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR488 | VT-3 | Satisfact ry | None |
| 3-SIL-1-PSR489 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR491 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR492 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR494 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR495 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR496 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR498 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR499 | VT-3 | Setisfactory | None |
| 3-SIL-1-PSR500 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR501 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR502 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR503 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR504 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR505 | VT~3 | Satisfactory | None |
| 3-SIL-1-PSR509 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR039 | VT-3 | Satisfactory | None |
| | | | |

CLASS 2

CATEGORY F-C

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|---------------------|------------------|--------------|-------------------------------------------------------------|
| FEEDWATER SYSTEM | | | |
| 3-FWS-1-PSSH002 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH005 | VT-3/VT-4 | Repaired | Tightened loose bolt and nut. |
| 3-FWS-1-PSSH010 | VT-3/VT-4 | Repaired | Tightened loose bolt. |
| 3-FWS-1-PSSH011 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH014 | VT-3/VT-4 | Repaired | Tightened loose nut and bolt. |
| 3-FWS-1-PSSH017 | VT-3/VT-4 | Acceptable | Position of indicators for hot/cold settings were reversed. |
| 3-FWS-1-PSSH022 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH023 | VT-3/VT-4 | Satisfactory | None |
| MAIN STEAM SYSTEM | | | |
| 3-MSS-1-PSR126 | VT-3 | Satisfactory | None |
| 3- SS-1-PSSH123 | VT-3/VT-4 | Satisfactory | None |
| 3-MSS-1-PSSH124 | VT-3/VT-4 | Satisfactory | None |
| LOW PRESSURE SAFETY | INJECTION SYSTEM | | |
| 3-SIL-1-PSR004 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR191 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR508 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR592 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR620 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSR622 | VT-3 | Satisfactory | None |

CLASS 2

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|------------------|-------------|--------------|--------------------------------------------------|
| 3-SIL-1-PSSH006 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH009 | VT-3/VT-4 | Acceptable | Incorrect load setting. Evaluated as acceptable. |
| 3-SIL-1-PSSH016 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH017 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH024 | V1-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH026 | VT-3/VT-4 | Acceptable | Incorrect load setting. Evaluated as acceptable. |
| 3-SIL-1-PSSH033 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH035 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH593 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH619 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSSH621 | VT-3/VT-4 | Satisfactory | None |
| 3-SIL-1-PSST493 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSST506 | VT-3 | Satisfactory | None |
| 3-SIL-1-PSST507 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR040 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR041 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR042 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR043-1 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR043-2 | VT-3 | Satisfactory | None |
| 3-SIL-4-PSR044 | VT-3 | Satisfactory | None |
| | | | |

CLASS 3

CATEGORY F-C

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|--------------------|-------------|--------------|---------|
| SERVICE WATER SYST | EM | | |
| 3-SWP-6-PSSH251 | VT-3/VT-4 | Satisfactory | None |
| 3-9WP-6-PSST058 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSST085 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSST088 | VT-3 | Satisfactory | None |
| | | CATEGORY F-B | |
| SERVICE WATER SYST | <u>EM</u> | | |
| 3-SWP-6-PSA038 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSA048 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR040 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR041 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR042 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR043 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR044 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR045 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR046 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR050 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR051 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR052 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR053 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR054 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR055 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR056 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR057 | VT-3 | Satisfactory | None |

CLASS 3

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|---------|
| 3-SWP-6-PSR081 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR083 | VT-3 | catisfactory | None |
| 3-SWP-6-PSR084 | VT-3 | Catisfactory | None |
| 3-SWP-6-PSR126 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR242 | VT-3 | Satisfactory | None |
| 3-SWP-6-PSR243 | VT-3 | Satisfactory | None |

TABLE 3 Additional Examinations Required Per IWX-2430

Refer to Table 2-1 for those examinations which exceeded the acceptance standards of IWB-3000 and IWF-3000 (listed as repaired) and requiring the additional examinations listed below.

| A 1 | - min | 77. | pris. | 1 | 23 | 1.7 | 1 | | 775 |
|-----|-------|--------|-------|-----|-----|---------|----|------|-----|
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| - | - | - | - | cin | | Chip-10 | - | inne | - |

Removed with

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|----------------|-------------|--------------|-----------------------------------------------------------------------------------|
| FWS-21-FW-2 | UT (45) | Satisfactory | None |
| | M. | Satisfactory | None |
| FWS-21-FW-3 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-21-FW-6 | UT (45) | Satisfactory | None |
| | MT | Acceptable | Shallow linear indications were recorded. Removed additional surface preparation. |
| FWS-21-4-SW-F | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-22-4-SW-F | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-22-5-SW-C | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-22A-FW-6 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-22A-FW-7 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-23-FW-3 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-23A-FW-12 | UT (45) | Satisfactory | None |

TABLE 3 (Cortinued)

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-----------------|-------------|---------------|---------|
| | MT | Satisfactory | None |
| FWS-24-FW-2 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-24-FW-3 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| FWS-25-FW-5 | UT (45) | Satisfactory | None |
| | MT | Satisfactory | None |
| | CATEGORY | F-C (CLASS 1) | |
| 3-RHS-1-PSST009 | VT-3 | Satisfactory | None |
| 3-RHS-1-PSST010 | VT-3 | Satisfactory | None |
| 3-RHS-1-PSST011 | VT-3 | Satisfactory | None |

NOTES:

- 1. One hundred (100) percent of the feedwater supports were examined per IGE Bulletin 79-13 (see Table 2-3).
- 2. The amount of additional examinations on Class 2 feedwater piping welds (C-F Category) was extended to include an additional number of components of the same Code Category, Code Item No., and Pipe Size initially examined to meet any inspection (I&E Bulletin 79-13).
- 3. Examination of Category B-G-2, bolting for reactor coolant pump seals was performed on three (3) additional pumps. These additional examinations were performed in accordance with maintenance procedures in lieu of Section XI requirements. Visual examination in accordance with IWA-2211 will be performed during the next refueling outage.

TABLE 4

Examination of Feedwater Piping Per I&E Bulletin 79-13

Examination Area:

- 1) Piping (on all four loops) which includes nozzle-to-pipe welds, the piping to the first support, and the piping-topenetration welds. An area of one pipe diameter of feedwater pipe downstream at the auxiliary feedwater connection.
- 2) In addition, all feedwater piping supports and snubbers in containment.

Examination Method: Radiographic examination in accordance with ASME III, Subsection NC, Article NC-5000, with a 2T penetration sensitivity level on the areas listed in Item 1 above.

Visual Examination (VT-3,4) on the areas listed in Item 2.

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|------------------|-------------|--------------|---------|
| FWS-23-FW-1 | RT | Satisfactory | None |
| FWS-23A-FW-11D-M | RT | Satisfactory | None |
| FWS-23A-FW-11E-M | RT | Satisfactory | None |
| FWS-23A-FW-85 | RT | Satisfactory | None |
| FWS-23A-FW-11G-M | RT | Satisfactory | None |
| FWS-23A-FW-13-1 | RT | Satisfactory | None |
| FWS-21-FW-1 | RT | Satisfactory | None |
| FWS-21-6-SW-C | RT | Satisfactory | None |
| FWS-21-FW-6D-M | RT | Satisfactory | None |
| FWS-21-FW-8-1 | RT | Satisfactory | None |
| FWS-22-FW-1 | RT | Satisfactory | None |
| FWS-22-6-SW-C | RT | Satisfactory | None |
| FWS-22A-FW-6D-M | RT | Satisfactory | None |
| FWS-22A-FW-8-1 | RT | Satisfactory | None |
| FWS-24-FW-1 | RT | Satisfactory | None |
| FWS-25-5-SW-D | RT | Satisfactory | None |
| | | | |

TABLE 4 (Continued)

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-------------------------------|-------------|--------------|-------------------------------------------------------------------------------------------|
| FWS-25-5-SW-E | RT | Satisfactory | None |
| FWS-25-FW-5-GM | RT | Satisfactory | None |
| FWS-25-FW-6-1 | RT | Satisfactory | None |
| FWS-25-FW-6-1 | RT | Satisfactory | None |
| FWS-25-FW-49 | RT | Satisfactory | None |
| FWS-237-FW-10B-M (base metal) | RT | Satisfactory | Base metal only. 20" of feedwater pipe base metal downstream of auxiliary feedwater pipe. |
| FWS-21-FW-4D-M (base metal) | RT | Satisfactory | Ease metal only. 20" of feedwater pipe base metal downstream of auxiliary feedwater pipe. |
| FWS-22-A-FW-4D-M (base metal) | RT | Satisfactory | Base metal only. 20" of feedwater pipe base metal downstream of auxiliary feedwater pipe. |
| FWS-25-FW-4-BM (base metal) | RT | Satisfactory | Base metal only. 20" of feedwater pipe base metal downstream of auxiliary feedwater pipe. |
| 3-FWS-1-PSR001 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR003 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR004 | VT-3 | Satisfactory | None |
| 3-FWS-1-~SR006 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR007 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR008 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR009 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR013 | VT-3 | Repaired | Loose nuts. |
| 3-FWS-1-PSR016 | VT-3 | Satisfactory | None |
| | | | |

TABLE 4 (Continued)

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-----------------|-------------|--------------|----------------------------------------------------|
| 3-FWS-1-PSR021 | VT-3 | Satisfactory | None |
| 3-FWS-1-PSSH014 | VT-3/VT-4 | Repaired | Loose nuts. |
| 3-FWS-1-PSSP411 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH017 | 7T-3/VT-4 | Acceptable | Spring can setting. Evaluated as acceptable. |
| 3-FWS-1-PSSP412 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP413 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP414 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP415 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH022 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSS7416 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP417 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP418 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP419 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP420 | VT-3/17T-4 | Satisfactory | None |
| 3-FWS-1-PSSP421 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH023 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP422 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP423 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP424 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP425 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH025 | VT-3/VT-4 | Satisfactory | None |
| 3-FwS-1-PSSH426 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP427 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP429 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP430 | VT-3/VT-4 | Satisfactory | None |

TABLE 4 (Continued)

| 0 | OMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-----|-----------------|-------------|--------------|-------------|
| 3 | -FWS-1-PSSP428 | VT-3/VT-4 | Satisfactory | None |
| 3 | -FWS-1-PSSP444 | VT-3/VT-4 | Satisfactory | None |
| 3 | -FWS-1-PSSP431 | VT-3/VT-4 | Satisfactory | None |
| 3 | -FWS-1-PSSP432 | VT-3/VT-4 | Satisfactory | None |
| 3 | -FWS-1-PSSH026 | VT-3/VT-4 | Satisfactory | None |
| 3 | 3-FWS-1-PSSP433 | VT-3/VT-4 | Satisfactory | None |
| 3 | 8-FWS-1-PSSP434 | VT-3/VT-4 | Satisfactory | None |
| 3 | 3-FWS-1-PSSP435 | VT-3/VT-4 | Satisfactory | None |
| 57 | 8-FWS-1-PSSP436 | VT-3/VT-4 | Satisfactory | None |
| 3 | 3-FWS-1-PSSH027 | VT-3/VT-4 | Satisfactory | None |
| 63 | 8-FWS-1-PSSP437 | VT-3/VT-4 | Satisfactory | None |
| 4.7 | 3-FWS-1-PSSP438 | VT-3/VT-4 | Satisfactory | None |
| 1.7 | 3-FWS-1-PSSP439 | VT-3/VT-4 | Satisfactory | None |
| - | 3-FWS-1-PSSP440 | VT-3/VT-4 | Satisfactory | None |
| 4.7 | 3-FWS-1-PSSP441 | VT-3/VT-4 | Satisfactory | None |
| - | 3-FWS-1-PSSP442 | VT-3/VT-4 | Satisfactory | None |
| | 3-FWS-1-PSSP443 | VT-3/VT-4 | Satisfactory | None |
| | 3-FWS-1-PSSP445 | VT-3/VT-4 | Satisfactory | None |
| - 3 | 3-FWS-1-PSSH028 | VT-3/VT-4 | Satisfactory | None |
| | 3-FWS-1-PSSH002 | VT-3/VT-4 | Satisfactory | None |
| , | 3-FWS-1-PSSP400 | VT-3/VT-4 | Satisfactory | None |
| | 3-FWS-1-PSSH005 | VT-3/VT-4 | Repaired | Loose nuts. |
| , | 3-FWS-1-PSSP401 | VT-3/VT-4 | Satisfactory | None |
| | 3-FWS-1-PSSP402 | VT-3/VT-4 | Satisfactory | None |
| | 3-FWS-1-PSSP403 | VT-3/VT-4 | Satisfactor, | None |
| | 3-FWS-1-PSSP404 | VT-3/VT-4 | Satisfactory | None |
| | | | | |

TABLE 4 (Continued)

| COMPONENT/WELD | EXAMINATION | RESULTS | REMARKS |
|-----------------|-------------|--------------|-------------|
| 3-FWS-1-PSSH010 | VT-3/VT-4 | Repaired | Loose nuts. |
| 3-FWS-1-PSSP405 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP406 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP407 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP408 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP409 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSP410 | VT-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSSH011 | 7T-3/VT-4 | Satisfactory | None |
| 3-FWS-1-PSR015* | VT-3 | Satisfactory | None |
| 3-FWS 1-PSR018* | VT-3 | Satisfactory | None |
| 3-FWS-1-PSR019* | VT-3 | Satisfactory | None |
| 3-FWS-1-rSR020* | VT-3 | Satisfactory | None |

NOTE: *Four (4) rigid restraints located inside the containment building were not visually inspected during the refueling outage. They were subsequently inspected April 16, 1988 during a maintenance shutdown. Reference letter B12849, E. J. Mroczka to W. T. Russell, NRC I&E Bulletin No. 79-13 Inspection Results, dated March 21, 1988.

TABLE 5

Wall Thickness Measurements For Erosion/Corrosion on Balance of Plant Piping Per I&E Bulletin 87-01

Examination Area:

Areas were selected based on the parameters given in the referenced bulletin. Guidance from ERRI Research Project 1570-2, "Nondestructive _xaminations of Ferritic Piping for Erosion/Corrosion," was utilized in selecting components for examination.

Examination Method: Ultrasonic thickness measurements per the requirements of I&E Bulletin 87-01, including utilizing certified personnel, ultrasonic equipment with an oscilloscope display, and an approved procedure.

| SYSTEM | EXAMINATIONS | COMPONENTS EXAMINED | SATISFACTORY | ACCEPTED* | REJECTED** |
|---------------------|--------------|------------------------|--------------|-----------|------------|
| Feedwater | UT Thickness | 11 Elbows | 11 | 0 | 0 |
| | | 1 Valve | 1 | 0 | 0 |
| | | 8 Tees | 8 | 0 | 0 |
| | | 2 End Caps | 1 | 1 | 0 |
| Condensate | UT Thickness | 1 Reducer | 1 | 0 | 0 |
| | | 2 Valves | 2 | 0 | 0 |
| | | 10 Elbows | 10 | 0 | 0 |
| S/G Blowdown | UT Thickness | 1 Tee | 1 | 0 | 0 |
| | | 1 Elbow | 1 | 0 | 0 |
| | | 2 Reducers | 2 | 0 | 0 |
| | | l Valve* | 0 | 1. | 0 |
| Heater Drain | UT Thickness | 2 Reducers | 0 | 2 | 0 |
| Lines | | 2 Elbows | 2 | 0 | 0 |
| Extraction Steam | UT Thickness | 5 Elbows | 5 | 0 | 0 |

^{*} Valves - Pipe downstream of valve.

^{*} Accepted - Pipe was found to exceed the manufacturer's tolerance of 12.5% below nominal wall. Evaluated as acceptable.

^{**}Rejected - Pipe Minimum Wall was exceeded.

TABLE 6

Visual Examination of Reactor Vessel Closure Head Interior Per FSAR

Examination Area: Cladded Surfaces of Interior of the RPV Closure Head

Examination Method: VT-1

Results:

Satisfactory

Remarks:

None

TABLE 7

Eddy Current Examinations of Steam Generator Tubing Per Plant Technical Specification

SUMMARY

| | Total | SGA | SGB | SGC | SGD |
|-----------------------------------------------------------------------------------------------|--------|-------|-------|-------|-------|
| Total Tubes | 22,504 | 5,626 | 5,626 | 5,626 | 5,626 |
| Tubes Inspected | 2,054 | 543 | 501 | 506 | 504 |
| Tubes With Maximum Flaw Greater Than or Equal to 40 Percent (Defect) | 0 | 0 | 0 | 0 | 0 |
| Tubes With Maximum Flaw Less Than 40 Percent but Greater Than or Equal to 20 Percent | 24 | 12 | 2 | 3 | 7 |
| Tubes Plugged As a Result Of This Inspection | 2 | 1 | 0 | 0 | 1 |

NOTE: The complete results of the steam generator tube inservice inspection will be submitted within 12 months in accordance with Plant Technical Specification 4.4.5.5.b.

TABLE 8

Visual Examination and Inservice Testing of Snubbers Per Plant Technical Specifications

SUMMARY

Examination Method: Visual Examination (VT-3/VT-4) in accordance with IWA-2210. Functional tests in accordance with Section 4.7.10 of the Plant Technical Specifications.

| | Totals | Rejected |
|------------------------------------|--------|----------|
| Total Snubbers | 1,044 | N/A |
| Visually Inspected | 1,044 | 10 |
| Functionally Tested | | |
| - Per Test Plan | 182 | 6** |
| - Resulting From Visual Inspection | 10 | 0 |
| - Other* | 2 | 0 |

^{*}Welding leads found attached to snubbers. **Snubber inoperable.

3.0 ULTRASONIC CALIBRATION STANDARDS FOR MP-3

UT CALIBRATION STANDARDS LIST FOR MILLSTONE POINT UNIT 3 1987 REFUELING OUTAGE

| Standard No. | Description | Heat Numbers | Use |
|-----------------|---------------|----------------|----------------------------------------------------------------|
| UT-4 | 5" thick clad | C4372-2 | S/G (SA-533 GR B C1.1) Primary Weld |
| UT-7 | 2-1/2" thick | HT# 5160C-1 | Main Coolant Piping (CCSS) (SA-351 GR CF8A) |
| UT-7A | 2-1/2" thick | HT# 147895-1 | Main Coolant Piping (SCSS) (SA-351 GR CF8A) |
| UT-8 | 3-1/2" thick | HT# T11340 | Steam Generator Secondary Side Welds (SA-533 GR A, Cl.2) |
| UT-12 | 3/4" T | HT# 894124W | Vertical Residual Heat Exchangers (SA-240 TP 304) |
| UT-18 | 14" Sch. 160 | HT# 20873 | Press Surge Line Safe End (SA-182 GR F316) |
| UT-21 | 4" Sch. 160 | HT# M9593 | Class 1 Piping (SA-376 TP 316) |
| UT-22 | 6" Sch. 160 | HT# 0631-29-2 | Class 1 Piping (SA-376 TP 316) |
| UT-23 | 8" Sch. 160 | HT# M0035 | Class 1 Piping (SA-376 TP 316) |
| UT-24 | 10" Sch. 160 | HT# 1091-5-1-2 | Class 1 Piping (SA-376 TP 316) |
| UT-25 | 12" Sch. 140 | HT# 1081-44-1 | Class 1 Piping (SA-376 TP 316) |
| UT-26 | 12" Sch. 160 | HT# 534982 | Class 1 Piping (SA-376 TP 316) |
| UT-27 | 14" Sch. 160 | HT# 3-383 | Class 1 Piping (SA-376 TP 316) |

| Standard No. | Description | Heat Numbers | Use |
|-----------------|------------------|--------------|--------------------------------------------------|
| UT-28 | 4.5" dia. | HT# 3P4028 | RCP Studs (A-540-B24) |
| UT-31 | 32", 1.312" T | HT# 65817 | Main Steam Piping (SA-155, Cl.1, GR KC-70) |
| UT-32 | 30", 1.250" T | HT# 89626 | Main Steam Piping (SA-155, Cl.1, GR KC-70) |
| UT-34 | 31.5", 2.0 T | HT# 803P7323 | Main Steam Piping (SA-155, Cl.1, GR KC-70) |
| UT-35 | 20" Sch. 100 | HT# N37344 | Main Feedwater Piping (SA-106, GR-B) |
| UT-37 | 16" Sch. 100 | HT# N16677 | Main Feedwater Piping (SA-106, GR-B) |
| UT-40 | 57.700" LG | HT# 83289 | RPV Stud 57.750" Long |
| UT-41 | 35" LG x 2½ Dia. | HT# 220690 | MSIV Stud |
| MP-1-UT-3 | 5 10" Sch. 80 | HT# 39891 | LPSI Piping (SA-240 TP316) |

4. NDE EXAMINATION PROCEDURES

This Section describes the sources for the requirements which provide the basis for the various NDE Examination Procedures used during the Millstone 3 ISI. A complete list of the procedures used for implementing inservice inspections is detailed in Section 4.1.

Ultrasonic Examination Procedures

All ultrasonic examinations, for which ASME Section XI Code Credit is taken, were performed in accordance with the requirements of ASME Section XI, 1983 Edition including Addenda through Summer 1983, Appendix III for piping or Article 4, ASME Section V for ferritic vessels.

For piping examinations, additional recording criteria were adopted over and above those required by ASME, Section XI. These additional criteria are as follows:

- a) For austenitic piping welds, any indication of a suspected flaw, regardless of amplitude, discovered during examination of piping welds or adjacent base material was recorded.
- b) For ferritic piping examinations, all indications showing a signal amplitude of 20 percent of DAC was recorded rather than 50 percent of DAC as required by ASME Section XI.

Magnetic Particle Examination Procedures

Magnetic particle examinations were performed in accordance with Article 7, ASME Section V.

Liquid Penetrant Examination Procedures

Liquid penetrant examinations were performed in accordance with Article 6, ASME Section V_{\star}

Visual Examination Procedures

Visual examinations were performed in accordance with Subarticle IWA-2210 of ASME Section XI.

Personnel Qualification, Equipment, and Material Lists are detailed in Section 4.2.

4.1 List of Examination and Test Procedures

| Procedure No. | Revision | Application |
|----------------|----------|-----------------------------------------------------------------------------------------------------|
| NU-LP-1 | 7 | Procedure for Liquid Penetrant Exams |
| NU-MP-1 | 6 | Procedure for Magnetic Particle Exams |
| NU-VT-1 | 7 | Procedure for Inservice Visual Exams (VT-1, 2, 3, & 4) |
| NU-RT-1 | 3 | Procedure of Radiographic Examination of Wells |
| NU-UT-1 | 6 | General Requirements |
| NU-UT-2 | 5 | Austenitic Piping Welds |
| NU-UT-3 | 4 | Ferritic and Dissimilar Metal Piping Welds |
| NU-UT-4 | 2 | Weld Marking Datum Points and Identification |
| NU-UT-5 | 3 | Ultrasonic Examination Procedure for Thickness Measurements |
| NU-UT-18 | 2 | Steam Generator Welds |
| NU-UT-9 | 0 | Main Steam Isolation Valve Studs |
| NU-UT-23 | 2 | Component Bolts, Studs, and Nuts |
| ISI-MIL-03-RVT | 0 | Remote Visual Examination of the Reactor Vessel Internals |
| MP-410-006 | 1 | Ultrasonic Examination Procedure for Automated Inspection of Main Coolant Piping Welds (CCSS) |
| SP3601F.7 | 1 | Reactor Coolant System Leak Test |
| ACP-QA-9.06A | 1 | Inservice Inspection Unresolved Indication Reporting |
| ACP-QA-2.18 | 0 | ASME Section XI Repair/Replace- ments |
| SP31129 | 0 | Inservice inspection |

| Procedure No. | Revision | Application |
|---------------|----------|-------------------------------------------------|
| SP3116 | 1 | Inservice inspection of steam generator tubes |
| EN31125 | 1 | Piping inspection program for erosion/corrosion |

4.2 Personnel Qualification, Equipment and Material Lists

MILLSTONE 3 1987 OUTAGE PERSONNEL CERTIFICATIONS LIST

EBASCO Name

Certifications

Joseph Bagley

VTIII-1,2,3,4, PTII

Holly F. Baker

RTII

Richard Bennardo

PTII, MTII, VTII-1,3,4

John S. Busby

UT1, PTII, MTII, VTII-1,2,3,4

Stanley J. Chieka

UTIT, PTII, VTII-1

Tommy Collier

UTI, PTII, VTII-1

Danisl Dougan

RTII, MTII, PTII

Debra Dufrene

UTIT, PTIT

Bradley J. Focer

UTII, MTII

Charles Geiger

RTII, MTII, PTII

Paul Hamer

UTII, MTII, PTII, VTII-1, VT1-3,4

John J. Kulawy

MTII, PTII, VTII-1,3,4

Ronald P. Niziol

UTII, MTII, PTII, VTII-1

John O'Neil

UTII, MTII, PTII, VTII-1,3,4, RTI

Robert Pavkovich

UTI, PTII, VTII-1

Drew Peterson

UTIT, MTIT, PTIT

Cecil D. Rhodes

MTII, PTII

Darrell Roeters

UTII, MTII, PTII, VTII-1,2,3,4, RTIT, ETIT

Owen Saulter

UTII, MTII, PTII, VTII-1,3,4

William Scott

UTII, MTII, PTII, VTII-1

Aturo D. Smith

UTILI, ETIL

Edward Sullivan

MTII, PTII, VTII-1,2,3,4

EBASCO Name

Certifications

Luis Valenzuela

UTII, MTII, PTII, VTII-1,2,3,4, RTII

John Vanderlinde

UTII, MTII, PTII, VTII-1,3,4

Miquel Villanueva

MTII, PTII, VTII-1,2,3,4, RTII

James D. Walker

PTII, VTII-1,3,4

Calvin Walraven

UTII, MTII, PTII

NUSCO Name

Certifications

Thomas Davis

VTII-1,3,4, UTII, MTII

Peter Durand

MTII, PTII (S.R.), UTII, VTII-1,3,4

Richard Fuller

UTIII, PTIII, MTII, VTII-1,3,4

Dawid R. MacNeill

UTII, VTII-1

John F. Pinto

PTII (S.R.), VTII-1,3,4, MTII, UTII

Steven Sikorski

RTIII, UTIII, PTIII, MTIII, VTII-1

C.E. Name

Certifications

Faried M. Anwari

UTII

Glenn P. Gagner

UTII

Richard S. Kusy

UTIII

Phillip L. Lancaster

UTIII

Carey L. LaSoya

UTII

Robert C. McGuire

UTI

Gerald A. Pooler

UTII

Robert M. Roney, Jr.

UTII

Paul R. Smock

UTII

Gary A. Terning

UTIII

MILLSTONE 3 1987 OUTAGE EQUIPMENT CERTIFICATIONS INDEX

EBASCO EQUIPMENT

Ultrasonic Instruments

| Manufacturer | Type | <u>s/n</u> |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| K-B Aerotech K-B Aerotech K-B Aerotech K-B Aerotech K-B Aerotech Panametrics Panametrics | USL-38 USL-48 USL-48 USL-48 USL-48 EPOCH 2002 EPOCH 2002 | S/N0180454 S/N212525 S/N213222 S/N213478 S/N213620 S/N269 S/N400 |
| Ultrasonic Transducers | | |
| Manufacturer | Туре | S/N |
| | | |

| Manufacturer | Type | S/N |
|--------------|----------|-----------|
| Harisonic | HS-546 | S/NB11332 |
| K-B Aerotech | GAMMA HP | S/NA04480 |
| K-B Aerotech | CAMMA | S/NA26436 |
| K-B Aerotech | GAMMA | S/NB04721 |
| K-B Aerotech | GAMMA | S/NB27739 |
| K-B Aerotech | GAMMA | S/NC13630 |
| K-B Aerotech | GAMMA | S/NC13632 |
| K-B Aerotech | GAMMA | S/ND01781 |
| K-B Aerotech | GAMMA | S/ND01786 |
| K-B Aerotech | GAMMA HP | S/ND03718 |
| K-B Aerotech | GAMMA HP | S/ND03725 |
| K-B Aerotech | GAMMA | S/ND13794 |
| K-B Aerotech | GAMMA HP | S/ND13796 |
| K-B Aerotech | GAMMA HP | S/ND13797 |
| K-B Aerotech | ALPHA | S/ND25733 |
| K-B Aerotech | GAMMA | S/ND27715 |
| K-B Aerotech | GAMMA | S/ND27717 |
| K-B Aerotech | GAMMA | S/ND27722 |
| K-B Aerotech | GAMMA | S/ND27724 |
| K-B Aerotech | GAMMA | S/ND30713 |
| K-B Aerotech | GAMMA | S/ND30714 |
| K-B Aerotech | GAMMA | S/NE09697 |
| K-B Aerotech | GAMMA | S/NF05734 |
| K-B Aerotech | GAMMA | S/NF05735 |
| K-B Aerotech | GAMMA | S/NF05736 |
| K-B Aerotech | GAMMA | S/NF15780 |
| K-B Aerotech | VSY 60 | S/NF18694 |
| K-B Aerotech | GAMMA | S/NF24757 |
| K-B Aerotech | GAMMA | S/NF24760 |
| K-B Aerotech | GAMMA | S/NF24762 |
| K-B Aerotech | GAMMA | S/NF24763 |
| K-B Aerotech | GAMMA | S/NG03519 |

| Manufacturer | <u>Type</u> | <u>S/N</u> |
|------------------------|-------------|------------|
| K-B Aerotech | ALPHA HP | S/NG08229 |
| K-B Aerotech | GAMMA | S/NG10650 |
| K-B Aerotech | WSY 70-Z | S/NH11700 |
| K-B Aerotech | WSY 70-Z | S/NH11701 |
| K-B Aerotech | GAMMA | S/NH12310 |
| | GAMMA | S/NH15646 |
| K-B Aerotech | | |
| K-B Aerotech | GAMMA | S/NJ19354 |
| K-B Aerotech | GAMMA | S/NJ26607 |
| K-B Aerotech | GAMMA | S/NK07639 |
| K-B Aerotech | GAMMA | S/NK01325 |
| K-B Aerotech | GAMMA | S/NK14110 |
| K-B Aerotech | GAMMA | S/NK24932 |
| K-B Aerotech | GAMMA | S/NL01969 |
| K-B Aerotech | GAMMA | S/NL08793 |
| K-B Aerotech | GAMMA HP | S/NM10902 |
| K-B Aerotech | GAMMA | S/NM31135 |
| K-B Aerotech | GAMMA | S/NP12127 |
| Megasonics | DDM | S/N71073 |
| Megasonics | DDM | S/N71074 |
| Megasonics | DDM | S/N71075 |
| Megasonics | DDM | S/N71076 |
| Megasonics | DDM | S/N71077 |
| Megasonics | DDM | S/N71079 |
| | | |
| Megasonics | DDM | S/N71080 |
| Ultrasonic Couplant | | |
| Type | Batch # | |
| Ultragel II | 8764 | |
| Ultrasonic Test Blocks | | |
| Туре | S/N | |
| | | |
| IIW-2 C/S | S/N788445 | |
| 4-Step Wedge S/S | S/N87-3264 | |
| 4-Step Wedge S/S | S/N87-3265 | |
| 5-Step Wedge C/S | S/N87-3266 | |
| 5-Step Wedge C/S | S/N87-3267 | |
| 5-Step Wedge C/S | S/N87-3268 | |
| IIW-2 C/S | S/N87-3260 | |
| IIW-2 C/S | S/N87-3261 | |
| IIW-2 S/S | S/N789071 | |
| IIW-2 S/S | S/N792654 | |
| IIW-2 S/S | S/N793925 | |
| IIW-2 S/S | S/N793926 | |
| IIW-2 S/S | S/N793927 | |
| | 3/11/22/2/ | |

| Type | | S/N |
|-----------|----------|-----------|
| 4-Step We | edge S/S | S/N793928 |
| 4-Step W | | S/N793929 |
| 5-Step We | | S/N793930 |
| 5-Stop We | edge S/S | S/N793931 |

Thermometers

| Manufacturer | Туре | <u>s/N</u> |
|--------------|---------|------------|
| PTC | Surface | S/N1C09 |
| PTC | Surface | S/N1010 |
| PTC | Surface | S/N1011 |
| PTC | Surface | S/N1012 |
| PTC | Surface | S/N1013 |
| PTC | Surface | S/N1014 |
| PTC | Surface | S/N1015 |
| PTC | Surface | S/N1016 |
| PTC | Surface | S/N1017 |
| PTC | Surface | S/N1018 |
| PTC | Surface | S/N.019 |
| PTC | Surface | S/N1020 |
| PTC | Surface | S/N1021 |
| PTC | Surface | S/N1022 |
| PTC | Surface | S/N1023 |
| PTC | Surface | S/N1024 |
| PTC | Surface | 3/N1025 |
| PTC | Surface | S, A1026 |
| PTC | Surface | S/N1027 |
| PTC | Surface | S/N102 |
| PTC | Surface | S/N1029 |
| PTC | Surface | S/N1030 |
| PIC | Suríace | S/N1031 |
| PTC | Surface | S/N1032 |
| PTC | Surface | C/N1033 |
| PTC | Surface | S/N1034 |
| PTC | Surface | S/N1035 |
| FTC | Surface | S/N1099 |
| PTC | Surface | S/N1100 |
| PTC | Surface | S/N1101 |
| PTC | Surface | S/N1102 |
| PTC | Surface | S/N1103 |
| PTC | Surface | S/N1104 |
| PTC | Surface | S/N1105 |
| PTC | Surface | S/K1106 |
| PTC | Surface | S/N1107 |
| PTC | Surface | S/N1108 |
| PTC | Surface | S/N1109 |
| PTC | Surface | S/N1 1. |
| PTC | Surface | S/N111. |
| PTC | Surface | S/N1112 |
| PTC | Surface | S/N1113 |

| Manufacturer | Type | S/N |
|-----------------------------|------------------------|----------|
| PTC | Surface | S/N1114 |
| PTC | Surface | S/N1115 |
| PTC | Surface | S/N1116 |
| PTC | Surface | S/N1117 |
| PTC | Surface | S/N1117 |
| PTC | Surface | S/N1118 |
| PTC | Surface | S/N1119 |
| PTC | Surface | S/N1120 |
| PTC | Surface | S/N1121 |
| PTC | Surface | S/N1121 |
| PTC | Surface | S/N1124 |
| PTC | Surface | S/N1125 |
| PTC | Surface | S/N1126 |
| PTC | Surface | S/N1127 |
| PTC | Surface | S/N1128 |
| P10 | Surrace | 5/111120 |
| Magnetic Particle Equipment | | |
| anufacturer | Type | S/N |
| Parker | DA-200 | 8916 |
| Parker | DA-200 | 8947 |
| Parker | DA-200 | 8950 |
| Parker | B-300 | 1580 |
| Parker | B-300 | 1627 |
| Magnetic Particle Material | | |
| Manufacturer | Туре | Batch # |
| Magnaflux | 8A Red Powder | 86M023 |
| Magnaflux | 20B Magnaglo | 87B062 |
| Magnaflux | 14AM Prepared Bath | 86L055 |
| Magnaflux | 14AM Prepared Bath | 86J063 |
| Liquid Penetrant Material | | |
| Manufacturer | Туре | Batch # |
| Magnaflux | Zyglo Developer ZP-4B | 87F041 |
| Magnaflux | Zyglo Penetrant ZL-54 | 86M009 |
| Magnaflux | Zyglo Penetrant ZL-54 | 86C03W |
| Magnaflux | Zyglo Penetrant ZL-30A | 87B02W |
| Spotcheck Developer | SKD-NF/ZP-9B | 87B040 |
| Spotcheck Cleaner | SKC-NF/ZC-7B | 86M030 |
| Spotcheck Cleaner | SKC-NF/ZC-7B | 87B029 |
| Spotcneck Cleaner | SKC-NF/ZC-7B | 86H019 |
| Spotcheck Developer | SKD-NF/ZP-9B | 8:J015 |
| Sporcheck Developer | SKD-NF/ZP-9B | 87A006 |
| Spotcheck Penetrant | SKL-HF/S | 87L033 |
| Spotcheck Penetrant | SKL-HF/S | 87F083 |

NUSCO EQUIPMENT

Ultrasonic Instrumerts

| Manufacturer | Type | S/N |
|--------------|------------|-----------|
| K-B Aerotech | USL-38 | S/N210158 |
| K-B Aerotech | USL-38 | S/N210760 |
| K-B Aerotech | USL-38 | S/N210761 |
| K-B Aerotech | USL-38 | S/N211178 |
| Panametrics | EPOCH 2002 | S/N382 |
| Panametrics | EPOCH 2002 | S/N383 |

Ultrasonic Transducers

| Manufacturer | Type | S/N |
|--------------|-----------|-----------|
| Dapco | D3 3/8" | S/N41845 |
| Dapco | D3 3/8" | S/N53843 |
| Dapco | D3 3/8" | S/N51848 |
| Dapco | D3 3/8" | S/N51850 |
| Dapco | D3 3/8" | S /N51851 |
| Dapco | D3 3/8" | 51852 |
| Dapco | D3 3/8" | S/N51854 |
| Harisonic | HS 222 | S/NE6141 |
| Harisonic | HS 222 | S/NE6142 |
| Harisonic | HS 222 | S/NE6143 |
| Harisonic | HS 222 | S/NE6144 |
| Harisonic | HS 222 | S/NE6145 |
| Harisonic | HS 222 | S/NE6146 |
| Harisonic | HS 222 | S/NE6147 |
| Harisonic | HS 222 | S/NE6148 |
| K-B Aerotech | GAMMA | S/NA02628 |
| K-B Aerotech | GAMMA | S/NA10307 |
| K-B Aerotech | GAMMA | S/NA21513 |
| K-B Aerotech | GAMMA | S/NA23652 |
| K-B Aerotech | GAMMA | S/NA25461 |
| K-B Aerotech | GAMMA | S/NA26462 |
| K-B Aerotech | ALPHA HP | S/NA28550 |
| K-B Aerotech | ALPHA HP | S/NA28551 |
| K-B Aerotech | GAMMA | S/NA31369 |
| K-B Aerotech | GAMMA | S/NB02363 |
| K-B Aerotech | GAMMA | S/MB11541 |
| K-B Aerotech | GAMMA | S/NB11543 |
| K-B Aerotech | GAMMA | S/NB25550 |
| K-B Aerotech | GAMMA | S/NE25553 |
| K-B Aerotech | GAMMA | S/NC14621 |
| K-B Aerotech | GAMMA SST | S/NC20128 |
| K-B Aerotech | GA MA SET | S/NC20130 |
| K-B Aerotech | WSY 70-Z | S/NC22601 |
| K-B Aerotech | WSY 70-Z | S/NC22603 |
| K-B Aerotech | WSY 70-Z | S/NC22604 |
| K-B Aerotech | wSr 70-2 | S/NC22607 |
| | | |

| Manufacturer | Type | S/N |
|--------------|-----------|-----------|
| K-B Aerotech | GAMMA HP | s/NC26026 |
| K-B Aerotech | GAMMA | S/ND17688 |
| K-B Aerotech | GAMMA | S/ND17695 |
| K-B Aerotech | GAMMA | S/ND18602 |
| K-B Aerotech | GAMMA HP | S/ND18619 |
| K-B Aerotech | GAMM/. HP | S/ND18627 |
| K-B Aerotech | GAMMA | S/ND25618 |
| K-B Aerotech | GAMMA | S/NE22645 |
| K-B Aerotech | GAMMA | S/NE22652 |
| K-B Aerotech | GAMMA | S/NE22657 |
| K-B Aerotech | GAMMA | S/NE22658 |
| K-B Aerotech | GAMMA | S/NE29232 |
| K-B Aerotech | GAMMA | S/NF03122 |
| K-B Aerotech | GAMMA | S/NF03125 |
| K-B Aerotech | GAMMA | S/NF04225 |
| K-B Aerotech | GAMMA | S/NF10506 |
| K-B Aerotech | GAMMA | S/NF11204 |
| K-B Aerotech | GAMMA | S/NF12212 |
| K-B Aerotech | GAMMA SST | S/NF15164 |
| K-B Aerotech | GAMMA | S/NF16223 |
| K-B Aerotech | GAMMA | S/NB16235 |
| K-B Aerotech | GAMMA | S/NF18229 |
| K-B Aerotech | GAMMA | S/NF23611 |
| K-B Aerotech | GAMMA | S/NF26508 |
| K-B Aerotech | GAMMA | S/NF27608 |
| K-B Aerotech | GAMMA | S/NF27616 |
| K-B Aerotech | GAMMA | S/NF27618 |
| K-B Aerotech | GAMMA | S/NF27622 |
| K-B Aerotech | GAMMA | S/NF30220 |
| K-B Aerotech | GAMMA | S/NF30221 |
| K-E Aerotech | GAMMA | S/NG03514 |
| K-B Aerotech | GAMMA | S/NG07624 |
| K-B Aerotech | GAMMA | S/NG07625 |
| K-B Aerotech | GAMMA | S/NG09600 |
| K-B Aerotech | GAMMA | S/NG15615 |
| K-B Aerotech | GAMMA | S/NG15619 |
| K-B Aerotech | GAMMA | S/NG15620 |
| K-B Aerotech | GAMMA | S/NG15624 |
| K-B Aerotech | GAMMA | S/NG29132 |
| K-B Aerotech | GAMMA | S/NH20505 |
| K-B Aerotech | GAMMA | S/NH20530 |
| K-B Aerotech | GAMMA | S/NH21165 |
| K-B Aerotech | GAMMA | S/NH30549 |
| K-B Aerotech | GAMMA | S/NJ03269 |
| K-B Aerotech | GAMMA | S/NJ05524 |
| K-B Aerotech | GAMMA | S/NK02116 |
| K-B Aerotech | GAMMA | 5/NF02124 |
| K-B Aerotech | GAMMA | S/NK03136 |
| K-B Aerotech | GAMMA | S/NK03352 |
| K-B Aerotech | ALPHA | S/NK05695 |
| K-B Aerotech | ALPHA | S/NK05696 |
| | | |

| Manufacturer | Type | S/N |
|---------------------------|---------------------|-------------------------|
| K-B Aerotech | ALPHA | S/NK05697 |
| K-B Aerotech | ALPHA | S/NK05698 |
| K-B Aerotech | GAMMA | S/NK11584 |
| K-B Aerotech | GAMMA | S/NK23010 |
| K-B Aerotech | GAMMA | S/NKB2863 |
| K-B Aerotech | GAMMA | S/NKB2865 |
| K-B Aerotech | GAMMA | S/NKB2866 |
| K-B Aerotech | GAMMA | S/NM16512 |
| K-B Aerotech | GAMMA | S/NM19537 |
| K-B Aerotech | GAMMA | S/NM19546 |
| K-B Aerotech | ANN 2-2-2 | S/N00269T |
| K-8 Aerotech | ANN 2-2-2 | S/N00841T |
| K-B Aerotech | MWB 60 N4 | S/N2 |
| K-B Aerotech | MWB 60 N4 | S/N4 |
| K-B Aerotech | MWB 45 N4 | S/N5 |
| K-B Aerotech | MWB 45 N4 | S/N6 |
| K-B Aerotech | MWB 45 N4 | S/N7 |
| K-B Aerotech | MWB 45 N4 | S/N10 |
| K-B Aerotech | GAMMA | S/N53477 |
| K-B Aerotech | GAMMA | S/N85393 |
| Megasonics | MOST | S/N61211 |
| Megasonics | CGD | S/N61212 |
| Megasonics | MST | S/N61213 |
| Megasonics | CGD | S/N61222 |
| | RST | S/N61223 |
| Megasonics Nortec | ZT-Z 1/4" | S'N 5551 |
| | ZT-Z 1/4" | S/N15563 |
| Nortec | ZT-Z 1/4" | S/N15565 |
| Nortec | T-SCOPE | S/N2914 |
| Stresstel | T-SCOPE | S/N2915 |
| Stresstel | | |
| Stresstel | T-SCOPE | S/N2916 |
| Stresstel | T-SCOPE | S/N2917 |
| Stresstel | T-SCOPE | S/N2918 |
| Liquid Penetrant Material | | |
| Manufacturer | Туре | Batch # |
| Magnaflux | Sporcheck Developer | SKD-NF/ZP-9B |
| Ultrasonic Instruments | | |
| Manufacturer | Туре | S/N |
| Sonic | MK 1 | S/N13123E |
| | | W. J. V. W. V. W. W. W. |

Ultrasonic Test Blocks

| Manufacturer | Type | <u>s/N</u> |
|--------------|---------------|------------|
| ATS | 1" Angle Beam | S/N796762 |
| ATS | 1" Angle Beam | S/N796763 |
| ATS | 1" Angle Beam | S/N796764 |
| ATS | 1" Angle Beam | S/N796765 |
| ATS | 1" Angle Beam | S/N796766 |
| ATS | 1" Angle Beam | S/N796767 |

Ultrasonic Transducers

| Manufacturer | Туре | <u>s/N</u> |
|--------------|-------------|------------|
| K-B Aerotech | GAMMA | S/N15240 |
| K-B Aerotech | WSY 70-2 | S/NK11549 |
| K-B Aerotech | GAMMA | S/N30329 |
| K-B Aerotech | GAMMA | S/NK28515 |
| Panametrics | | S/N70907 |
| Panametrics | | S/N71133 |
| Panametrics | | S/N75581 |
| Technisonic | TS-225 | S/NT9238 |
| Technisonic | TS-224 | S/NT9195-2 |
| Technisonic | TS-224 | S/NT9195-1 |
| Technisonic | TS-223 | S/NT9194-2 |
| Technisonic | TS-223 | S/NT9194-1 |
| Technisonic | TS-176 | S/NT8483 |
| Technisonic | Dual Volume | S/NT7823 |

5. EVALUATION CRITERIA

5.1 Acceptance Standards

Acceptance criteria, in general, was based on ASME Section XI, Subsection IWA-3000 for all categories of components. Subsection IWB-3000 was used as the acceptance standard for the specific examination categories for which such rules have been developed. These rules were used in the evaluation of defects in Class 2 and 3 pressure retaining components of the corresponding examination category. IWF-3000 was used for evaluating Class 1, 2, and 3 component supports.

5.2 ASME, Section XI Repairs and Replacements

When repairs or replacements of pressure retaining components and their supports were required, they were performed in accordance with Millstone Administrative Procedure ACP-QA-2.18, "ASME Section XI Repair/Replacements."

6. REPAIRS/REPLACEMENTS

6.1 Inservice Inspection Repairs

All defects noted during ISI with dimensions exceeding the acceptance criteria (see Section 5.0) were identified for repair in accordance with ACP-QA-9.06A, "Inservice Inspection Unresolved Indication Reporting.

- 6.1.1 The defect removal was performed by NNECO in accordance with the appropriate NNECO procedures and Qual ty Assurance Requirements.
- 6.1.2 Upon completion of the repair, the area or volume containing the defect was reexamined using the same examination method which was employed when the defect was detected. These reexams were either performed by ISI personnel, or the repair records from NNECO were reviewed to verify defect removal. NNECO records were employed only in cases where their program required verification of defect removal using the same NDE method as that employed by ISI personnel to detect the defect.
- 6.1.3 Owner's Report for Repair or Replacements, Form NIS-2, is Attachment 1.
- 6.2 Plant Design Change Requests (PDCRs) involving Section XI Repairs or Replacements to IWA-4000 or 7000 are listed in Attachment 2. These include examinations, tests, replacements, and repairs on piping and components conducted since the preceding summary report (PSI), as shown on the Owner's Report, Form NIS-2, in Attachment 2.
- 6.3 Repairs and replacements to component supports are listed and shown on the NIS-2 reports in Attachment 3.
- 6.4 All records for repairs and replacements required by IWA-6000 are maintained at the Millstone Nuclear Power Station.

REPAIRS/REPLACEMENTS RESULTING FROM INSERVICE INSPECTION DURING 1987 REFUELING OUTAGE

- 1) RCP "D" Seal Bolting.
- 2) Gouge in High Pressure Safety Injection Line.
- 3) Indication found on Feedwater Penetration "5".
- 4) Loose bolts on supports.

| . Owner | Northeast Utilit | | | Date _ | 3/14/88 | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------|
| P. O. | Box 128, Waterfo | ord, CT 06385 ress | | Sheet . | 1 | of <u>2</u> | |
| . Plant | Millstone Nucle | | | Unit_ | 111 | | |
| | | 07.0000 | | W2 - 00 | 3-00280 | | |
| P. 0. | . Box 128 Waterfor Add | ress | | NAME AND ADDRESS OF TAXABLE PARTY. | | k Order Number | |
| | | | | | | | |
| . Work Pe | erformed by Mil Name | | | | | | |
| | | | | | | | |
| P. O. | Box 128, Waterfo | ord, CT ress | | | | | |
| | Add | 1000 | | | | | |
| . Identif | ication or System | m Reactor Cool | lant System | | | | |
| | | - | ARREST CONTRACTOR OF THE PERSON NAMED IN | 1971 Edition, or Repairs or Repla | | - | Code Cas |
| . Identif | lication of Compos | | | | | | |
| | reaction of compo | nents Repaired o | or Replaced | and Ruplacement (| Components | | |
| lame of | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of mponent | Name of | Manufacturer | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| Name of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent RCS*P1D | Name of Manufacturer STD Pressed Steel | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent RCS*P1D o. 1 seal ousing bolt | Name of Manufacturer STD Pressed Steel | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent PCS*P1D o. 1 seal ousing bolt | Name of Manufacturer STD Pressed Steel | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Gr No) |
| Name of imponent incomponent i | Name of Manufacturer STD Pressed Steel | Manufacturer Serial No. N/A | National Board No. N/A | Other Identification | Year Built 1985 | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Name of omponent RCS*P1D D. 1 seal Dusing bolt A) | Name of Manufacturer STD Pressed Steel | Manufacturer Serial No. N/A | National Board No. N/A | Other Identification 1741C63H001 | Year Built 1985 | Replaced, or Replacement Replacement | Code Stamped (Yes Gr No) Yes |
| Name of omponent RCS*P1D D. 1 seal Dusing bolt A) | Name of Manufacturer STD Pressed Steel | Manufacturer Serial No. N/A eplacement of Re | National Board No. N/A | Other Identification 1741C63H001 | Year Built 1985 sing Bolts Nominal Op | Replaced, or Replacement Replacement | Code Stamped (Yes Gr No) Yes |
| Name of imponent RCS*P1D Do. 1 seal Dusing bolt A) Descrip | Name of Manufacturer STD Pressed Steel stion of Nork R Conducted: Hyd | Manufacturer Serial No. N/A eplacement of Rerostatic / / er / / | National Board No. N/A | Other Identification 1741C63H001 ant Pump Seal House ic / | Year Built 1985 sing Bolts Nominal Op | Replaced, or Replacement Replacement ("In" Pumb! erating Pressure /) | Code Stamped (Yes Gr No) Yes |

| FORM NIS-2 (Back) |
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| |
| Remarks None |
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| |
| CERTIFICATE OF COMPLIANCE |
| |
| We certify that the statements made in the report are correct and this Replacement conforms to |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ast En Sup Date 4/10/3, 19 6 |
| signed / MC4 - Mst En Sulv Date 4/10/2, 19 0 |
| Owner of Owner's Designee, Title |
| |
| |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Insp |
| tors and the State or Province of and employed by #36 4 4 |
| tors and the State or Province of 7 and employed by $HSRI'I$ of $HARIFORD$ have inspected the components described in this Owner's Rep during the period $11.1.82$ to $4.20.18$, and state that to the best of |
| during the period $11.1.82$ to $4.20.16$, and state that to the best of |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this own |
| 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 impli |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any•kind arising from or connected with this inspection. |
| |
| Ryz Commissions C7/1/3 |
| RYS Commissions C7///3 Inspector's Signature National Board, State, Province, and Endorsements |
| The second of th |
| Date 4 2 3 19 % |
| |
| |

| . Owner | Northeast Utilities | s Service Co. | | Date | 3/8/88 | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| | Name | | | | | | |
| P. (|). Box 128, Waterford | . CT 06385 | | Sheet | 1 | of 2 | |
| | Address | Assert Control of the State of | | | | | |
| . Plant | Millstone Nuclear F | Power Station | ation 3 | Unit | 111 | | |
| | Name | | | | | | |
| Р. | D. Box 128, Waterford | , CT 06385 | | ME-87 | -18288 | | |
| | Address | | | Auth | orized Worl | Order Number | |
| . Work | Performed by Millsto | one Station | | | | | |
| | Name | | | | | | |
| P. O. | Box 128, Waterford, (| СТ | | | | | |
| - | Address | THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM | | | | | |
| | | | | | | | |
| . Ident | ification of System _ | High Pressur | e Safety I | njection System | | | |
| The state of the s | | | | B 1 B 1 . | A CONTRACT | 48 008 | |
| | Applicable Edition of ification of Component | | | | | 53, 583 | |
| | | | | | | 53, 563 | ASME |
| | | | | | | 53, 563 | ASME Code |
| | | | | | | Repaired, | Code |
| . Ident | ification of Component | | r Replaced | and Replacement C | | Repaired, Replaced, | |
| . Ident | ification of Component | ts Repaired o | r Replaced | and Replacement C | omponents | Repaired, | Code Stamped |
| . Ident | Name of Manufacturer | ts Repaired o | National Board | and Replacement C | omponents | Repaired, Replaced, | Code Stamped (Yes |
| Name of | Name of Manufacturer | ts Repaired o anufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| . Ident | Name of Manufacturer | ts Repaired o anufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| . Ident | Name of Manufacturer | ts Repaired o anufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Name of Manufacturer | ts Repaired o anufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| | Name of Manufacturer | ts Repaired o anufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Name of Manufacturer | ts Repaired o anufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component | Name of Manufacturer | anufacturer Serial No. | National Board No. | Other Identification Att. 6 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent 1H-2 | Name of Manufacturer SANDVIK | ts Repaired of anufacturer Serial No. | National Board No. N/A | Other Identification Att. 6 | Year Built 1985 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| Name of component | Name of Manufacturer SANDVIK Sandvik Light Conducted: Hydros | ts Repaired of anufacturer Serial No. 465376 | National Board No. N/A | Other Identification Att. 6 | Year Built 1985 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |

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

FORM NIS+2 (Back)

| Remarks Inspections performed - Liquid Penetrant, visual and ultrasonic examination. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| |
| CERTIFICATE OF COMPLIANCE |
| CERTIFICATE OF CONFETANCE |
| We certify that the statements made in the report are correct and this Repair conforms to the |
| Repair or replacement |
| |
| rules of the ASME Code, Section XI. |
| Signed Tuling Art En S.pv Date 4/-0, 19 ft |
| Signed / Silver Titals |
| Owner or Owner's Designee, 11cle |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by NSBI&I |
| of Hartford have inspected the components described in this Owner's Report |
| of Hartford have inspected the components described in this Owner's Report during the period $3/11/88$ to $\cancel{5} \cdot \cancel{5} \cdot \cancel{5}$, and state that to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner' |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| 200 - 100 M - 1 |
| Rolling Commissions C71119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date |
| |
| |

| . Owner | Northeast Utilit | ties Service Co. | | Date | 3/8/88 | | | |
|--------------------------------|----------------------------------------------|------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------|-------------------------------------------|--|
| | Name | | | | | | | |
| P. 0 | . Box 128, Waterfo | ord, CT 06385 | | Sheet | 1 | of 2 | | |
| | | ress | | | | | | |
| Plant | Plant Millstone Nuclear Power Station | | | Unit | Unit III | | | |
| . Plant . | Name | | | | | | | |
| | | | | | | | | |
| P. 0 | . Box 128, We terfo | | | CONTRACTOR STATEMENT STATE | 7-18253 | Orden Number | | |
| | Add | ress | | Autr | norized Work | Order Number | | |
| . Work P | erformed by Mil | 1stone Station | | | | | | |
| | Name | | | | | | | |
| | | | | | | | | |
| P. 0 | . Box 128, Waterfo | | | | | | | |
| | Add | ress | | | | | | |
| . Identi | fication of System | m Feedwater Sy | stem | | | | | |
| | | | | r Repairs or Repla | | | | |
| S. Identi | | | | Other | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) | |
| Name of | fication of Compo | nents Repaired o | National Board | and Replacement (| Components | Repaired, | Code Stamped (Yes | |
| 6. Identi | fication of Compo | nents Repaired o | National Board | and Replacement (| Components | Repaired, | Code Stamped (Yes | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Coc Stam (Ye | |
| Name of | fication of Compo | nents Repaired o | National Board | and Replacement (| Components | Repaired, | Code Stampe (Yes | |
| Name of Component FWS Pent. #5 | Name of Manufacturer Graver | Manufacturer Serial No. | National Board No. | Other Identification | Year Built 1977 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) | |
| Name of Component FWS Pent. #5 | Name of Manufacturer Graver | Manufacturer Serial No. | National Board No. | Other Identification | Year Built 1977 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) | |
| Name of Component FWS Pent. #5 | Name of Manufacturer Graver Conducted: Hyd | Manufacturer Serial No. 60900N-P69 | National Board No. | Other Identification | Year Built 1977 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) | |

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

FORM NIS-2 (Back)

| included; magnetic particle, liquid penetrant and ultrasonic examinations. |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Repair conforms to the |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Asit En Sope Date 1/20, 19 fg Owner or Owner's Designee, Title |
| Owner or Owner's Designee, Title |
| |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 |
| have inspected the components described in this Owner's Reporturing the period $\frac{3}{14}/88$ to $\frac{4}{12}$, and state that to the best of m |
| during the period 3/14/88 to 7-20-0, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| F 92- Commissions C71119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 4 20 19 88 |
| |

| . Owner No | ortheast Utili | cies service co. | | | 3/14/88 | | |
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| | Name | • | | | | | |
| P. O. Bo | x 128, Waterf | ord, CT 06385 | | Sheet | 1 | of 2 | |
| | | ress | | | | | |
| . Plant Mi | llstone Nucle | ar Power Station | | Unit | 111 | | |
| | Nam | | | | | | |
| P.O. Box | x 128, Waterfo | rd. CT 06385 | | See Ot | her Identii | fication | |
| | CHARLES AND ADDRESS OF THE PARTY OF THE PART | ress | ALEX - | Auth | orized Worl | k Order Number | |
| Wast Danf | semed by MII | Istone Station | | | | | |
| . Work Perf | Nam | | | | | | |
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| P.O. Bo: | x 128, Waterfo | rd, CT | | | | | |
| | 200 | | | | | | |
| . Identifica | ation of Syste | m Feedwater | | | | | |
| (b) Appl | icable Edition | of Section XI L | JETTIZED TO | r Repairs or Repla | cements 15 | 53, 565 | |
| . Identific | | | | Other | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of | ation of Compo | nents Repaired o | National Board | d and Replacement (| Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes |
| Name of Component WS-1-PSSH-005 | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification M3-87-17773 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes |
| Name of Component TWS-1-PSSH-005 TWS-1-PSSH-014 | Name of Manufacturer S&W S&W | Manufacturer Serial No. N/A | National Board No. N/A | Other Identification M3-87-17773 | Year Built N/A | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes |
| Name of Component FWS-1-PSSH-005 FWS-1-PSSH-014 | Name of Manufacturer S&W S&W | Manufacturer Serial No. N/A N/A | National Board No. N/A | Other Identification M3-87-17773 M3-87-17976 M3-88-01196 | Year Built N/A N/A | Repaired, Replaced, or Replacement Repair Repair | Code Stamped (Yes |
| Name of Component WS-1-PSSH-005 WS-1-PSSH-010 WS-1-PSSH-014 | Name of Manufacturer S&W S&W S&W | Manufacturer Serial No. N/A N/A N/A | National Board No. N/A N/A | Other Identification M3-87-17773 M3-87-17976 M3-88-01196 | Year Built N/A N/A N/A | Repaired, Replaced, or Replacement Repair Repair | Code Stamped (Yes |
| Name of Component FWS-1-PSSH-010 FWS-1-PSSH-014 RHS-1-PSST-002 | Name of Manufacturer S&W S&W S&W S&W | Manufacturer Serial No. N/A N/A N/A N/A | National Board No. N/A N/A N/A | Other Identification M3-87-17773 M3-87-17976 M3-88-01196 M3-88-01193 | Year Built N/A N/A N/A N/A spection. | Repaired, Replaced, or Replacement Repair Repair | Code Stamped (Yes Or No) |
| Name of Component FWS-1-PSSH-005 FWS-1-PSSH-010 FWS-1-PSSH-014 RHS-1-PSST-002 | Name of Manufacturer S&W S&W S&W S&W S&W S&W S&W Hyd | Manufacturer Serial No. N/A N/A N/A N/A ighten loose bo | National Board No. N/A N/A N/A Pneumat | Other Identification M3-87-17773 M3-87-17976 M3-88-01196 M3-88-01193 | Year Built N/A N/A N/A N/A N/A N/A | Repaired, Replaced, or Replacement Repair Repair Repair | Code Stamped (Yes Or No) |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

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| | CERTIFICATE OF COMPLIANCE |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We certify that | the statements made in the report are correct and this Repair conforms to the Repair or replacement |
| rules of the ASME Code | |
| Signed DV | Cy Ast in Spr Date 7/20, 19 15 |
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| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| b | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, he | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| I, the undersigned, he tors and the State or | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or of // A. during the period | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective and employed by 188 191 have inspected the components described in this Owner's Report to 98.85 , and state that to the best of my |
| tors and the State or of //A. during the period | |
| tors and the State or of //A. during the period knowledge and belief, Report in accordance of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective of and employed by inspected by inspected in this Owner's Report to yarf, and state that to the best of my the Owner has performed examinations and taken corrective measures described in this Owner's with the requirements of the ASME Code, Section XI. |
| tors and the State or of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective of |
| tors and the State or of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective of |
| tors and the State or of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective of and employed by issa file. have inspected the components described in this Owner's Report to yarf , and state that to the best of my the Owner has performed examinations and taken corrective measures described in this Owner's with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, sations and corrective measures described in the Owner's Report. Furthermore, neither the doyer shall be liable in any manner for any personal injury, property damage, or a loss of the connected with this inspection. |
| tors and the State or of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective of and employed by its fit have inspected the components described in this Owner's Report to yarf , and state that to the best of my the Owner has performed examinations and taken corrective measures described in this Owner's with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied ations and corrective measures described in the Owner's Report. Furthermore, neither the alloyer shall be liable in any manner for any personal injury, property damage, or a loss of or connected with this inspection. |
| tors and the State or of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspection. Province of CT and employed by its file for this Owner's Report to yark not the components described in this Owner's Report the Owner has performed examinations and taken corrective measures described in this Owner's with the requirements of the ASME Code, Section XI. Certificate neither the Inspector nor his employer makes any warranty, expressed or implied ations and corrective measures described in the Owner's Report. Furthermore, neither the dioyer shall be liable in any manner for any personal injury, property damage, or a loss of corporated with this inspection. Commissions CTIII Section 2011 Actional Board, State, Province, and Endorsements |
| tors and the State or of | olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective of the Components described in this Owner's Report to yark, and state that to the best of my the Owner has performed examinations and taken corrective measures described in this Owner's with the requirements of the ASME Code, Section XI. Certificate neither the Inspector nor his employer makes any warranty, expressed or implied ations and corrective measures described in the Owner's Report. Furthermore, neither the dioyer shall be liable in any manner for any personal injury, property damage, or a loss of corporated with this inspection. Commissions CTILLS National Board, State, Province, and Endorsements |

CLASS 1 REPAIRS/REPLACEMENTS

- 1) RTD Bypass Line Removal (PDCR #M3-87-025).
- 2) S/G "A" Tube Plugging.
- 3) S/C "D" Tube Plugging.
- 4) S/G Primary Manway Modification.
- 5) Replacement of Primary Manway Bolting with Studs, Washers, and Nuts (PDCR M3-87-069).
- 6) Replacement of RCS Safeties.
- 7) Replacement of RCS Safeties.
- 8) Repair of PORV Steam Cuts.
- 9) Replacement of Stud on Pressurizer Safety.
- 10) Repair of PORV Steam Cuts.
- Replacement of PORV Studs.
- 12) Replacement of Studs on RCS*V030.
- 13) Replacement of Stud on RTD Flow Indication.
- 14) Replacement of Nut on RCS*V097.
- 15) Replacement of PORV Sclenoid Valves.
- 16) Machining of RCS Flange (RCS-006-84-1).

CLASS 2 REPAIRS/REPLACEMENTS

- 1) Replacement of RCP "A" Seal Leakoff Line Flex Hose.
- 2) Repair of CHS*RV8117.
- 3) Repair of CHS*RV8117.
- 4) Replacement of FWS*V864.
- 5) Repair of Steam Cuts on FWS*V898.
- 6) Condensate POT Replacement (PDCR MP3-87-057).
- 7) Machining of S/G Secondary Side Handholes.
- 8) Replacement of Secondary Side Handhole Bolts (S/G A).
- 9) S/G "A" Handhole Helicoil Repair.
- 10) S/G "D" Handhole Repair.
- 11) Repair of MSS*CTV27D.
- Replacement of MSS*CTV27D Control Block Bolting.
- 13) Repair of MSS*AOV31D.
- 14) Replacement of Main Steam Safeties.
- 15) S/G Nitrogen Modification PDCR MP3-86-343.
- 16) Auxiliary Feedwater Valve FWA*HV31C Replacement.
- 17) Replacement of 3SIL*SV88758.
- 18) Sliding block on RHk Heat Exchanger.
- 19) Repair of RSS*MOV-38A.
- 20) Repair of Steam Generator D Handholes.
- 21) Repair of MSS&CTV27 A/B/C.
- 221 Steam Generator Blowdown Sample (SSR*CTV19B) Replacement.
- 23) Steam Generator Blowdown Sample (SSR*CTV19C) Replacement.
 - Replacement of FWS-V968.
- 25) Replacement of MSS-CTV-27D Disc Holdown Screws.

CLASS 3 REPAIR/REPLACEMENT

- 1) Charging Pump Cooling Vent Replacement.
- 2) Modification to CCP*V18.
- 3) Swapping of CCP*V05 with CCP*V06.
- 4) Replacement of EGF* Hose 18/28.
- 5) Disc replacement of QSS*V029.
- 6) Hydro of Hose for EDG Fuel Oil.
- 7) Replacement of SWP Capped Nipple.
- 8) Repair of Service Water Tee.
- 9) Repair/Replacement of Service Water Fittings.
- 10) Service Water Pump Discharge Valve Replacement (PDCR MP3-86-153).
- 11) Repair of Service Water Pipe.
- Replacement of Studs and Nuts on SWPV705.
- 13) Replace CCP Heat Exchanger Cover Plate Bolts.
- 14) RCP 'A' Removal Interferences.
- 15) RCP 'C' Removal Interferences.

| . Owner _ | Northeast Utilities Service Co | | Date | 3/14/88 | | |
|----------------------|-----------------------------------------------------------------------------------------------------|--------------|-----------------------------------------|---------------|-----------------------------|-----------------------------------|
| | Name | - | | | | |
| 9.0 | Box 128, Waterford, CT 06385 | | Sheet | | of 4 | |
| F.0. | Address | THE | | | | |
| | | | Unit | 111 | | |
| . Plant _ | Millstone Nuclear Power Station Name | n | On C | 111 | | |
| | | | | | | |
| P.O. | Box 128, Waterford, CT 06385 | | THE REAL PROPERTY. | Attached Woo | k Order Number | |
| | Address | | Aut | chorized wo | k order Number | |
| . Work Pe | rformed by Millstone Station | | A STATE OF THE | | | |
| | Name | | | | | |
| D 0 | Box 128, Waterford, CT | | | | | |
| | Address | | | | | |
| | | | | | | |
| . Identif | ication of System Reactor Coo | lant System | 1 | | | |
| | | we in | 1021 64111 | 022 | Addresds N/A | Code Cas |
| | plicable Construction Code AS | | | | | 0000 003 |
| (D) AP | plicable Edition of Section XI | ocinized is | or Repairs or Rep | i acomerica 1 | 703, 303 | |
| . Identif | ication of Components Repaired | or Replace | d and Replacement | Components | | |
| | | | | | | |
| | | | | | | ACME |
| | | | | | | ASME |
| | | National | Other | | Renaired | Code |
| Name of | Name of Manufacturer | | Other Identification | | Repaired, | Code Stamped |
| | Name of Manufacturer Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| Name of Component | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| | Manufacturer Serial No. | Board | Identification | Year | Replaced, | Code Stamped (Yes |
| component | Manufacturer Serial No. See Attached | Board No. | Identification (AWO No.) | Year | Replaced, | Code Stamped (Yes |
| component | Manufacturer Serial No. | Board No. | Identification (AWO No.) | Year | Replaced, | Code Stamped (Yes |
| omponent. | Manufacturer Serial No. See Attached Setion of Work Removal of the R | Board No. | Identification (AWO No.) | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| 7. Descrip | Manufacturer Serial No. See Attached | Board No. | Identification (AWO No.) | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| 7. Descrip | Manufacturer Serial No. See Attached Setion of Work Removal of the R Conducted: Hydrostatic /X / | Board No. | Identification (AWO No.) Lines tic /_/ | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |

E: 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 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.

Attachment

PDCR #MP3-87-025, "RTD Bypass Loop Elimination Modification."

This PDCR removes valves, piping, snubbers, and supports associated with the RTD Bypass system and replaces them with thermowell mounted, fast response RTDs which are installed directly in the RCS pipe.

The modifications begin with the removal of the existing bypass piping at each connection point to the RCS. The existing hot and cold leg penetrations are machined to accept RTD thermowells or capped and new thermowell bosses installed. The thermowell is mounted inside the boss and the RTD is installed within the thermowell. The crossover leg connection is capped.

Associated AWOs

| M3-87-13789 | Removal of "C" loop RTD bypass lines | |
|--------------|---------------------------------------|--|
| M3-87-13790 | Removal of "B" loop RTD bypass lines | |
| M3-87-13791 | Removal of "A" loop RTD bypass lines | |
| M3-87-13793 | Removal of "D" loop PTD bypass lines | |
| M3-87-14313 | Temporarily remove tubing on Loop "A" | |
| M3-87-14314 | Temporarily remove tubing on Lopp "B" | |
| M3-87-14316 | Temporarily remove tubing on Loop "C" | |
| M3-87-13911 | Installation of RTD (Loop B) | |
| 113-87-13912 | Installation of RTD (Loop C) | |
| M3-87-13914 | Installation of RTD (Loop D) | |
| M3-87-13834 | Installation of RTD (Loop A) | |
| | | |



following have been removed:

| LINE NUMBER | VALVE NUMBER | LINE NUMBER | VALVE NUMBER |
|--------------------|--------------|--------------------|----------------|
| RCS-002-44-1 (A-) | RCS*V19 (A+) | RCS-002-52-1 (C-) | RCS*V95 (C-) |
| RCS-750-151-4 | RCS*V20 (A+) | RCS-750-155-4 | RCS*V96 (C-) |
| RCS-750-186-2 (A-) | RCS*V42 (A+) | RCS-750-190-2 (C-) | RC\$*V118 (C-) |
| RCS-002-194-1 (A-) | RCS*V43 (A+) | RCS-002-196-1 (C-) | RCS*V120 (C+) |
| RCS-001-202-1 (A-) | | RCS-G01-208-1 (C+) | |
| RCS-001-203-1 (A-) | | RCS-001-209+1 (C+) | |
| RCS-001-204-1 (A-) | | RCS-001-210-1 (C-) | |
| RCS-002-46-1 (A+) | RCS*V16 (A-) | RCS-002+54-1 (C+) | RCS*V92 (C*) |
| RCS-002-47-1 (A-) | RCS*V17 (A-) | RCS002-35-1 (C+) | RCS*V93 (C+) |
| RCS-750-152-4 | RCS*V18 (A-) | RCS*V94 (C+) | |
| RCS-750-187-2 (A+) | RCS*V40 (A+) | RCS-750-191-2 (C+) | RCS*V119 (C-) |
| | RCS*V41 (A-) | | RCS*V121 (C-) |
| RCS-002-48-1 (B-) | RCS*V63 (B+) | RCS-750-158-4 | RCS*V137 (D+) |
| RCS-750-153-4 | RCS*V64 (B-) | RCS-750-192-2 (D-) | RCS*V157 (D-) |
| RCS-750-188-2 (B-) | RCS*V78 (B+) | RCS-002-191-1 (D+) | RCS*V159 (D+) |
| RCS-002-195-1 (B-) | RCS*V79 (B+) | RCS+001-211-1 (D+) | |
| RCS+001+205+1 (B+) | | RCS-001-212-1 (D-) | |
| RCS-001-206-1 (B-) | | RCS-001-213-1 (D+) | |
| RCS+001-207-1 (B-) | | RCS-002-58-1 (D-) | RCS*V133 (D-) |
| RCS-002-50-1 (B-) | RCS*V60 (B-) | RCS-002-59-1 (D-) | RCS*V134 (D+) |
| PSS=002=51=1 (B+) | RCS*V61 (B+) | RCS-750-157-4 | RCS*V135 (D+) |
| -750+154+4 | RCS*V62 (8-) | RCS+750-193-2 (D) | RCS*V158 (D-) |
| RCS-750-189-2 (8-) | RCS*V76 (B+) | | RCS*V160 (D*) |
| | RCS*V77 (B-) | RCS+003+53+1 (C+) | RCS*V97 (C-) |
| | | | |

| NUMBER NUMBER | VALVE NUMBER | LINE NUMBER | VALVE NUMBER |
|--------------------|---------------|--------------------|---------------|
| RCS-003-45-1 (A-) | RCS*V21 (A-) | RCS-003-169-1 (D-) | RCS*V139 (D-) |
| RCS-003-166-1 (A-) | RCS#V22 (A-) | RCS-003-49-1 (B-) | RCS*V65 (B-) |
| RCS-003-57-1 (D-) | RCS*V138 (D-) | RCS-003-167-1 (B-) | RCS*V66 (B+) |

The following is a list of snubbers and spring cans removed:

| SUPPORT NUMBER | SUPPORT NUMBER | SUPPORT NUMBER | SUPPORT NUMBER |
|------------------|-------------------|-------------------|------------------|
| 3RCS-1-PSSH-067 | 3RCS*1*PSSP*465 | 3RCS-1-PSSP-210 | 3RCS-1-PSSP-231 |
| 3RCS-1-PSSH-068 | 3RCS-1-PSSP-467 | 3RCS-1-PSSP-211 | 3RCS-1-PSSP-232 |
| 3RCS-1-PSSH-069 | 3RCS-1-PSSP-468 | 3RCS-1-PSSP-212 | 3RCS-1-PSSP-233* |
| 3RCS-1-PSSH-070 | 3RCS-1-PSSP-469 | 3RCS-1-PSSP-213* | 3RCS-1-PSSP-234 |
| 3RCS-1-PSSP-433 | 3RCS-1-PSSP-470 | 3R* -1-PSSH-214 | 3RCS-1-PSSH-235 |
| 3RCS-1-PSSP-434 | 3RCS-1-PSSP-471 | 3RCS-1-PSSP-2'5 | 3RCS-1-PSSP-236* |
| 3RCS-1-PSSP-435 | 3RCS-1-PSSP-472 | 3RCS-1-PSSH-216 | 3RCS-1-PSSH-237 |
| 3RCS-1-PSSP-436 | 3RCS-1-PSSP-473 | 3RCS-1-PSSP-217 | 3RCS-1-PSSP-238 |
| 3RC3-1-PSSP-437 | 3RCS-1-PSSP-474 | 3RCS-1-PSSP-218 | 3RCS-1-PSSP-239 |
| 3RCS-1-PSSP-438 | 3RCS-1-PSSP-475 | 3RCS-1-PSSP-219 | 3RCS-1-PJSP-240 |
| 3RCS+1-PSSP-439 | 3RCS-1-PSSP-476 | 3RCS-1-PSSP-220 | 3RCS-1-PSSP-241 |
| 3RCS-1-PSSP-440 | 3RCS-1-PSSP-477 | 3RCS-1-PSSH-221* | 3RCS-1-PSSH-242 |
| 3RCS-1-PSSP-441 | 3RCS-1-PSSP-201 | 3RCS+1-PSSP-222 | 3RCS-1-PSSP-243 |
| 3RCS-1-PSSP-442 | 3RCS-1-PSSH-202 | 3RCS-1-PSSH-223 | 3RCS-1-PSSH-244 |
| 3RCS-1-PSSP-444 | 3RCS-1-PSSP-203 | 3RCS-1-PSSP-224 | 3RCS-1-PSSP-245 |
| 2005-1-PSSP-454 | 3RCS-1-PSSP-204 | 3RCS-1-PSSP-225 | 3RCS-1-PSSP-246 |
| -1-PSSP-455 | 3RCS-1-PSSP-205 | 3RCS-1-PSSP-226 | 3RCS-1-PSSP-247 |
| 3RCS-1-PSSP-456 | 3RCS-1-PSSP-206 | 3RCS-1-PSSP-227 | 3RCS-1-PSSP-248* |
| 3RCS-1-PSSP-466 | 3RCS-1-PSSP-207 | 3RCS-1-PSSP-220 | 3RCS-1-PSSP-249* |
| 3RCS-1-PSSP-464 | 3RCS-1-PSSH-208 | 3RCS-1-PSSH-229 | 3RCS-1-PSSH-250 |
| 3RCS-1-PSSP-252 | 3RCS-1-PSSP-209 | 3RCS-1-PSSP-230 | 3RCS-1-PSSP-251 |
| 3RCS-1-PSSP-253 | 3RCS-1-PSSH-263 | 3RCS-1-PSSP-274 | 3RCS+1+PSSP+1503 |
| 3RCS-1-PSSP-254 | 3RCS-1-PSSP-264 | 3RCS-1-PSSP-275 ★ | 3RCS-1-PSSP-1504 |
| 3RCS-1-PSSP-255 | 3RCS-1-PSSH-265 | 3RCS-1-PSSP-276 | 3RCS-1-PSSP-1505 |
| 3RCS-1-PSSP-256 | 3RCS-1-PSSP-266 | 3RCS-1-PSSH-277 | 3RCS-1-PSSP-1506 |
| 3RCS-1-PSSH-257 | 3RCS-1-PSSP-267 | 3RCS-1-PSSP-278 | 3RCS-1-PSSP-1507 |
| 3 RCS-1-PSSP-258 | 3RCS-1-PSSP-268 | 3RCS-1-PSSH-279 | 3RCS-1-PSSP-1508 |
| 3RCS-1-PSSH-259 | 3RCS-1-PSSP-269 ★ | 3RCS-1-PSSP-280 | 3RCS-1-PSSP-1509 |
| 3RCS-1-PSSP-260 | 3RCS-1-PSSP-270 | 3RCS-1-PSSP-281 | 3RCS-1-PSSP-1510 |
| 3RCS-1-PSSP-261 | 3RCS-1-PSSH-271 | 3RCS-1-PSSP-282 * | |
| 3RCS-1-PSSP-262 | 3RCS-1-PSSP-272 | 3RCS-1-PSSP-283 | |
| | 3RCS-1-PSSP-273 | 3RCS-1-PSSH-284 | |
| | | | |
| | | | |

PER EADCR N-ME-04485 Five additional supports were removed:

RCS-1-PSR-1531 RCS-1-PSR-1538 RCS-1-PSR-1532 RCS-1-PSR-1535

RCS-1-PSR-1537

^{*}These supports remain and are reused as seismic conduit supports.

FORM NIS-2 (Back)

| | cable). |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | |
| | |
| | |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the structure of the ASME Code, Sec | tatements made in the report are correct and this Replacement conforms to the |
| 1 | Asst En Spu Date 4/20, 19 ff |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding tors and the State or Prov | g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspecince of CT and employed by HSR I σI |
| of Hertfor | have inspected the components described in this Owner's Report 1/2/18 to $9 \cdot 21 \cdot 88$, and state that to the best of my |
| during the period | Owner has performed examinations and taken corrective measures described in this Owner! |
| knowledge and belief, the | Owner has performed examinations and taken corrective measures described in this Owner's the requirements of the ASME Code, Section XI. |
| Rowledge and belief, the Report in accordance with By signing this certiconcerning the examination Inspector nor his employer | |
| Rowledge and belief, the Report in accordance with By signing this certiconcerning the examination Inspector nor his employer | the requirements of the ASME Code, Section XI. ficate neither the Inspector nor his employer makes any warranty, expressed or implied, s and corrective measures described in the Owner's Report. Furthermore, neither the shall be liable in any manner for any personal injury, property damage, or a loss of |

| . Owner | Northeast Utilit | ies | | Date _ | 1/28/89 | | |
|----------------------|-----------------------------------------------------------------------------|------------------------------------|-----------------------------------|-------------------------------------------------|-----------------------------|---------------------------------------------|-------------------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | d, CT | | Sheet | 1 (| of 2 | |
| - | Addr | | | | | | |
| . Plant | Millstone Nuclea | r Power Station | n | Unit _ | 101 | | |
| | Name | | | | | | |
| 0.0 | D. 100 William | 4 67 | | M3-8 | 7-16397 | | |
| P.0. | Box 128, Waterfor Addr | | | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 | | k Order Number | |
| | | | | | | | |
| . Work Pe | erformed by West | | | | | | |
| | Name | | | | | | |
| P.O. | Box 3401750, Pit: | ., PA | | | | | |
| | Addr | ess | | | | | |
| . Identii | fication of System | Danatas Coo | lant Sustan | | | | |
| (b) A; | | of Section XI | Utilized fo | or Repairs or Repl | | 83, \$83 | |
| (b) As dentify | pplicable Edition fication of Compon | of Section XI | Utilized for Replaced National | or Repairs or Repl | | Repaired, Replaced, | ASME Code Stamped (Yes Or No) |
| Name of | pplicable Edition fication of Compon Name of Manufacturer | of Section XI | National Board No. | Other | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
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| Name of | pplicable Edition fication of Compon Name of Manufacturer | of Section XI | National Board No. | Other | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | pplicable Edition fication of Compon Name of Manufacturer | of Section XI | National Board No. | Other | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Poplicable Edition fication of Compon Name of Manufacturer Westinghouse | of Section XI I | National Board No. | Other Identification RCS-SC1A | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | pplicable Edition fication of Compon Name of Manufacturer | of Section XI I | National Board No. | Other Identification RCS-SC1A | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | pplicable Edition fication of Compon Name of Manufacturer Westinghouse | of Section XI I | National Board No. 13584 | Other Identification RCS-SC1A | Year Built 1981 | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| Name of Component | ption of Work Pt Conducted: Hyar | Manufacturer Serial No. NEGT-1776 | National Board No. 13584 | Other Identification RCS-SC1A | Year Built 1981 | Repaired, Replaced, or Replacement Repaired | Code Stamped (Yes Or No) Yes |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) site is 85 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| Remarks Due to AVB wear, see special report to NRC. |
| Remarks Due to Avo Mear, see special report to MAC. |
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| CERTIFICATE OF COMPLIANCE |
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| We certify that the statements made in the report are correct and this Repair conforms to |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ast En Spr Date 4/20, 19 8 |
| Owner or Owner's Designee, Title |
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| CONTINUES OF WARRINGS WARRINGS |
| CERTIFICATE OF INSERVICE INSPECTION |
| T, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspe |
| tors and the State or Province of Connecticut and employed by HSB I&I |
| The state of the s |
| of Hartford have inspected the components described in this Owner's Reputation of the period $1/27/88$ to $\times 2/-5$, and state that to the best of knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner has performed examinations. |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 impli- |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| ROZM Commissions CT1119 |
| Commissions (T///9 Inspector's Gignature National Board, State, Province, and Endorsements |
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| Date |
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| Owner | Northeast Utiliti | les | | Date | 1/28/89 | | - |
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| | Name | | | | | | |
| P.O. | Box 128, Waterford | d. C7 | | Sheet | 1 (| of 2 | |
| - | Addre | | 11-7-12 | | | | |
| Plant_ | Millstone Nuclea | r Power Statio | n | Unit _ | 101 | | |
| - 11 | Name | | | | | | |
| P.O. | Box 128, Waterford | t. CT | | M3-87 | -16399 | | |
| | Addr | CARLES CONTRACTOR OF THE PARTY | | Au | thorized Wo | ork Order Number | |
| Work Pe | erformed by West | inahouse | | | | | |
| | Name | | | | | | |
| | | | | | | | |
| P.O. | Box 34017SP, Pitt | | | | | | |
| | nggr | 033 | | | | | |
| Identif | fication of System | Reactor Coo | lant System | n . | | | |
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| (b) Ap | pplicable Edition | of Section XI | Utilized fo | or Repairs or Repla | cements 19 | Addenda, 1484-3/1528 83, 513 | -3 Code Ca |
| (b) Ap | pplicable Edition | of Section XI | Utilized for Replaced | | cements 19 | | ASME Code |
| (b) Ap | pplicable Edition fication of Compon Name of | of Section XI ents i. ired Manufacturer Serial No. | Utilized for or Replaced National Board | or Repairs or Repla d and Replacement C | components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
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| (b) Ap Identif ame of mponent C D | pplicable Edition fication of Compon Name of Manufacturer Westinghouse ption of Work P1 Conducted: Hydr | of Section XI ents F. ired Manufacturer Serial No. NEST-1777 | National Board No. 15215 | Other Identification RCS-SG:D | Year Built 1981 | Repaired, Replaced, or Replacement Repaired | ASME Code Stamped (Yes Or No) Yes |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each neet is numbered and the

number of sheets is recorded at the top of this form.

| Remarks Due to ABV wear, s | see specia, report to NRC. |
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the statemen | nts made in the report are corr up and this Repair conforms to the Repair or replacement |
| rules of the ASME Code, Section X | |
| Signed Tuly Owner or Owner's C | Ast Eng Sylv Date 4/20, 19 8 |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersinged holding a val | lid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of | f Connecticut and employed by HSB I&I |
| of Hartford | have inspected the components described in this Owner's Report to 4 1/1/1 , and state that to the best of my |
| knowledge and belief, the Owner b | to |
| | quirements of the ASME Code, Section XI. |
| concerning the examinations and o | neither the Inspector nor his employer makes any warranty, expressed or implied, corrective measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall any kind arising from or connecte | be liable in any manner for any personal injury, property damage, or a loss of ed with this inspection. |
| R9 Zm | Commissions 07 19 |
| the same of the sa | National Board, State, Province, and Endorsements |
| Inspector's Signature | nacional total a, scace, riornice, and Engol Sements |
| Inspector's Signature Date 4.2/ | |

| P.O. Box 128, Waterford, CT 06385 Address Plant Millstone Nuclear Power Station Name P.O. Box 128, Waterford, CT 06385 Address Address Work Performed by Millstone Station Name P.O. Box 128, Waterford, CT Address Identification of System RCS (a) Applicable Construction Code ASME III 1971 Edition, S73 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83 Identification of Components Repaired or Replaced and Replacement Components | the particular statement of the particular and an |
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| Name P.O. Box 128, Waterford, CT 06385 Address M3-87-16441/16442/16443/1644 Address Authorized Work Order Num Name P.O. Box 128, Waterford, CT Address Identification of System RCS (a) Applicable Construction Code ASME III 1971 Edition, S73 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83 | ber |
| Address Authorized Work Order Num Work Performed by Millstone Station Name P.O. Box 128, Waterford, CT Address Identification of System RCS (a) Applicable Construction Code ASME III 1971 Edition, S73 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83 | ber |
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| Address Identification of System RCS (a) Applicable Construction Code ASME III 1971 Edition, S73 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83 | Code Case |
| (a) Applicable Construction Code ASME III 1971 Edition, S73 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83 | Code Case |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 583 | Code Case |
| National Repaire Name of Name of Manufacturer Board Other Year Replace omponent Manufacturer Serial No. No. (dentification Built or Replace | d, (Yes |
| | 01 1107 |
| | |
| 1A Westinghouse 1776 13584 1106J72 1981 Replacem | ent Yes |
| 1B Westinghouse 1775 13583 1106372 1981 Replacem | ent Yes |
| 1C Westinghouse 1778 15216 1106572 1981 Replacem | ent Yes |
| 1D Westinghouse 1777 15215 1106572 1981 Replacem | |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| Remar | rks Modification is to facilitate installation. |
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| | CERTIFICATE OF COMPLIANCE |
| | ertify that the statements made in the report are correct and this Replacement conforms to the |
| rules of | the ASME Code, Section XI. |
| Signed | Owner or Office Designee, Title Azit Eng Supu Date Y/20, 19 88 |
| | |
| _ | CERTIFICATE OF INSERVICE INSPECTION |
| | |
| | dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse! Inspec- the State or Province of <u>Connecticut</u> and employed by <u>HSB [&]</u> |
| of Hart | ford have inspected the components described in this Owner's Report |
| knowledge | e period $3/11/88$ to $4.3/1.3$, and state that to the best of my and belief, the Owner has performed examinations and taken corrective measures described in this Owner' accordance with the requirements of the ASME Code, Section XI. |
| | igning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, g the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| | nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of arising from or connected with this inspection. |
| | RAZAM Commissions CT1.19 |
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| | R D 2 Commissions CT/.19 Inspector's Signature National Board, State, Province, and Endorsements |

| . Owner | Northeast Utilit | ies Service Co | | Date | 3/9/88 | | |
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| | Name | | | | | | |
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| . Plant | Millstone Nuclea | r Power Station | n | Unit _ | HE | | |
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| . Work Pe | erformed by <u>Mill</u> Name | | | | | | |
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| . Identif | fication of System | n Reactor Coo | lant System | | | | |
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| 9 | | | | and Replacement C | | 03, 303 | |
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| S. Identif | fication of Compor | nents Repaired | or Replaced | and Replacement C | components | Repaired, | Code Stamped |
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| Name of Component | fication of Compor | ments Repaired | or Replaced National Board | and Replacement C | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of Component | fication of Compor | Manufacturer Serial No. | or Replaced National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component SRCS* SG1A | Name of Manufacturer Westinghouse Westinghouse | Manufacturer Serial No. NECT 1776 | National Board No. | Other Identification Drawing Number 1106J72 | Year Built 1981 | Replaced, Replacement Replacement* Replacement* | Code Stamped (Yes Or No) Yes |
| | Name of Manufacturer | Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component SG1A SG1B | Name of Manufacturer Westinghouse Westinghouse | Manufacturer Serial No. NECT 1776 | National Board No. | Other Identification Drawing Number 1106J72 | Year Built 1981 | Replaced, Replacement Replacement* Replacement* | Code Stamped (Yes Or No) Yes |
| Name of Component SG1A SG1B SG1C | Name of Manufacturer Westinghouse Westinghouse Westinghouse Westinghouse | Manufacturer Serial No. NEGT 1776 1775 1778 | National Board No. 13584 13583 | Other Identification Drawing Number 1106J72 1106J72 1106J72 | Year Built 1981 1981 1981 | Replacement Replacement Replacement* Replacement* Replacement* | Code Stamped (Yes Or No) Yes Yes |
| Name of Component SRCS* SG1A SG1B SG1C | Name of Manufacturer Westinghouse Westinghouse Westinghouse Westinghouse | Manufacturer Serial No. NEGT 1776 1775 1778 | National Board No. 13584 13583 | Other Identification Drawing Number 1106J72 1106J72 | Year Built 1981 1981 1981 | Replacement Replacement Replacement* Replacement* Replacement* | Code Stamped (Yes Or No) Yes Yes |
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E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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| | ids, nuts, and washers compatible with hydraulic torque ring (PDCR |
| MP3-87-069) | |
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| | CERTIFICATE OF COMPLIANCE |
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| We certify that the statements ma | de in the report are correct and this Replacement conforms to the Repair or replacement |
| iles of the ASME Code, Section XI. | Repair of reprocement |
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| igned ruly | Asst Eng Supu Date 4/20, 19 88 |
| Owner <u>Or Owner's Design</u> | ee, Title |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a valid co | ommission issued by the National Roard of Roiler and Pressure Vessel Inspec- |
| , the undersigned, holding a valid coors and the State or Province of | ommission issued by the National Roard of Roiler and Pressure Vessel Inspec- |
| , the undersigned, holding a valid coors and the State or Province of | ommission issued by the National Roard of Roiler and Pressure Vessel Inspec- |
| ors and the State or Province of | mmission issued by the National Board of Boiler and Pressure Vessel Inspec- Of and employed by ASTAT have inspected the components described in this Owner's Report to 9.21.18, and state that to the best of my |
| uring the period 3-11.98 nowledge and belief, the Owner has pe | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by ASTATE have inspected the components described in this Owner's Report to 9.21.18, and state that to the best of my erformed examinations and taken corrective measures described in this Owner's Report of the components described in th |
| uring the period 3-11.98 nowledge and belief, the Owner has pe | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by ASTATE have inspected the components described in this Owner's Report to 9.21.18, and state that to the best of my erformed examinations and taken corrective measures described in this Owner's Report of the components described in th |
| brs and the State or Province of State of Province of State of Sta | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by ASTAT have inspected the components described in this Owner's Report to 9.21.18, and state that to the best of my enformed examinations and taken corrective measures described in this Owner's nents of the ASME Code, Section XI. |
| brs and the State or Province of State or | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by have inspected the components described in this Owner's Report to 90118 , and state that to the best of my enformed examinations and taken corrective measures described in this Owner's nents of the ASME Code, Section XI. Here the Inspector nor his employer makes any warranty, expressed or implied, extive measures described in the Owner's Report. Furthermore, neither the |
| by signing the examinations and corrections and the State or Province of Andread aring the period 3.11.48 nowledge and belief, the Owner has perport in accordance with the requirem By signing this certificate neith encerning the examinations and correctispector nor his employer shall be li | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by have inspected the components described in this Owner's Report to 90/1/18, and state that to the best of my enformed examinations and taken corrective measures described in this Owner's nents of the ASME Code, Section XI. Here the Inspector nor his employer makes any warranty, expressed or implied, tive measures described in the Owner's Report. Furthermore, neither the lable in any manner for any personal injury, property damage, or a loss of |
| by signing this certificate neith encerning the examinations and correct aspector nor his employer shall be link wind arising from or connected with the requirement of the examination | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by have inspected the components described in this Owner's Report to yarrantions and taken corrective measures described in this Owner's ments of the ASME Code, Section XI. Here the Inspector nor his employer makes any warranty, expressed or implied, this measures described in the Owner's Report. Furthermore, neither the lable in any manner for any personal injury, property damage, or a loss of the this inspection. |
| by signing this certificate neith encerning the examinations and correct aspector nor his employer shall be link wind arising from or connected with the requirement of the examination | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by have inspected the components described in this Owner's Report to yarrantions and taken corrective measures described in this Owner's nents of the ASME Code, Section XI. Here the Inspector nor his employer makes any warranty, expressed or implied, this measures described in the Owner's Report. Furthermore, neither the lable in any manner for any personal injury, property damage, or a loss of the this inspection. |
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| by signing this certificate neith concerning the examinations and correct aspector nor his employer shall be link wind arising from or connected with the requirement of the examination | mmission issued by the National Board of Boiler and Pressure Vessel Inspector and employed by Argariant Andrews Inspected the components described in this Owner's Report to 90118 , and state that to the best of more reformed examinations and taken corrective measures described in this Owner ments of the ASME Code, Section XI. Here the Inspector nor his employer makes any warranty, expressed or implied stive measures described in the Owner's Report. Furthermore, neither the lable in any manner for any personal injury, property damage, or a loss of the this inspection. Commissions CT///9 National Board, State, Province, and Endorsements |

| Owner _ | Northeast Utilit | | | MARKET MARKET THE PARTY NAMED IN | 2/8/88 | | |
|------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------|--------------------------------------------------------------|-----------------------------------------|
| | Name | • | | | | | |
| P.O. 1 | Box 128, Waterfor | rd. CT 06385 | | Sheet _ | 1 (| of 2 | |
| | | ress | | | | | |
| Plant | Millstone Nuclea | ar Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | rd. CT 0t 85 | | M3-87 | -12479/1248 | 30/12482 | |
| | | ress | | Au | thorized Wo | ork Order Number | |
| Work De | rformed by Mil | letone Station | | | | | |
| MOTK FE | Name | | | | | | |
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| P.O. | Box 128, Waterfo | rd, CI | | | | | |
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| ldentif | ication of System | m KCS | | | | | |
| (b) Ap | | ection XI | Utilized fo | or Repairs or kepla d and Replacement C | | 38, W80 | |
| (b) Ap | plicable Edition | ection XI | Utilized fo | or Repairs or kepla | | | ASME Code |
| (b) Ap | plicable Edition | ection XI | Utilized foor Replaced | r Repairs or tepla | Components | Repaired, | Code Starped |
| (b) Ap Identif | plicable Edition | ection XI | Utilized fo | or Repairs or kepla | | | Code |
| (b) Ap Identif | plicable Edition ication of Compo Name of | ection XI nents Repaired | utilized for Replaced National Board | r Repairs or teplad and Replacement C | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap Identif | plicable Edition ication of Compo Name of Manufacturer | Manufacturer Serial No. | Or Replaced National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap Identif | plicable Edition ication of Compo Name of Manufacturer Crossy | Manufacturer Serial No. | National Board No. | Other Identification | Year Built N/A | Repaired, Replaced, or Replacement | Code Starped (Yes Or No) |
| (b) Ap Identif | plicable Edition ication of Compo Name of Manufacturer | Manufacturer Serial No. | Or Replaced National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap Identif Name of Imponent CCS*SV | Name of Manufacturer Crosby | Manufacturer Serial No. N56964-07 | National Board No. | Other Identification | Year Built N/A | Repaired, Replaced, or Replacement | Code Starped (Yes Or No) Yes |
| (b) Ap Identif Name of Imponent CCS*SV | plicable Edition ication of Compo Name of Manufacturer Crossy | Manufacturer Serial No. N56964-07 | National Board No. | Other Identification N/A | Year Built N/A | Replaced, Replacement Replacement Replacement | Code Starped (Yes Or No) Yes |
| Identif | plicable Edition ication of Compo Name of Manufacturer Crossy Crossby | Manufacturer Serial No. N56964-07 -0102 -0101 | National Board No. | Other Identification N/A N/A | Year Built N/A | Replaced, Replacement Replacement Replacement | Code Starped (Yes Or No) Yes |
| Identif | Name of Manufacturer Crosby | Manufacturer Serial No. N56964-07 -0102 -0101 | National Board No. | Other Identification N/A N/A | Year Built N/A | Replaced, Replacement Replacement Replacement | Code Starped (Yes Or No) Yes |
| Identif | Name of Manufacturer Crosby Crosby | Manufacturer Serial No. N56964-07 -0102 -0101 -0103 | National Board No. | Other Identification N/A N/A N/A | Year Built N/A N/A | Replaced, Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes |
| Name of omponent RCS*SV B010A B010B | Name of Manufacturer Crossy Crosby Crosby Chonducted: Hyd | Manufacturer Serial No. N56964-07 -0102 -0101 -0103 | National Board No. 1039 1040 ished original | Other Identification N/A N/A N/A inal valves | Year Built N/A N/A N/A | Replaced, Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes |

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

| FORM NIS-2 (Back) |
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| Remarks None |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ast Eng Sipe Date 4/20, 19 Co |
| and of one of the control of the con |
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| |
| CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Ins |
| tors and the State or Province of Connecticut and employed by HSB 1&1 |
| of Hartford have inspected the components described in this Owner's Reduring the period $2/12/88$ to $4/1-1/2$, and state that to the best |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Ow |
| 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 impl |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither th |
| Inspector nor his employer shall be liable in any manner for any perso al injury, property damage, or a loss |
| any kind arising from or connected with this inspection. |
| 82 02 Commissions CT/119 |
| Inspector's Signature Commissions CT//19 National Board, State, Province, and Endorsements |
| Date 4.7) 19 88 |
| Date 19/1 |
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| | | | | | 3/14/88 | | |
|---------------------------------|------------------------------|--------------------------------------------|-------------------|---------------------------------------------------------|---------------|----------------------------------------|-----------------------------------------|
| | Nam | e | | | | | |
| P.O. E | Box 128, Waterfo | rd, CT 06385 | | Sheet | 1 0 | of 2 | |
| | | ress | Al goods | | | | |
| Plant _ | Millstone Nucle | ar Power Station | | Unit | 111 | | |
| | Nam | e | | | | | |
| P.O. 1 | Box 128, Waterfo | ord, CT 06385 | | M3-88 | 8-02124 | | |
| - | | ress | | Au | uthorized Wo | ork Order Number | |
| Work Pe | rformed byMil | 1stone Station | | | | | |
| HOIR TO | Nam | | | | | | |
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| P.0. 8 | Box 128, Waterfo Add | iress | | | | | |
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| Identif | ication of Syste | m Reactor Cool | ant System | m . | | | |
| | | | | | | | |
| | | | National | | | Renaired | ASME Code Stampe |
| ne of | Name of | Manufacturer | National Board | | Year | Repaired, | Code Stampe |
| | Name of Manufacturer | Manufacturer Serial No. | | Other Identification | Year Built | Replaced, | Code Stampe (Yes |
| oonent | | | Board | Other | | Replaced, | Code Stampe (Yes |
| onent | | | Board | Other | | Replaced, | Code Stampe (Yes |
| S*SV | | | Board No. | Other | | Replaced, | Code Stampe |
| S*SV | Manufacturer | Serial No. N56964-07-0101 | Board No. | Other Identification DS-C-56964-7 | Built 1983 | Replaced, or Replacement Removed | Code Stampe (Yes Or No) Yes |
| s*SV | Manufacturer | Serial No. N56964-07-0101 | Board No. | Other Identification | Built 1983 | Replaced, or Replacement Removed | Code Stampe (Yes Or No |
| s*SV | Manufacturer | Serial No. N56964-07-0101 | Board No. | Other Identification DS-C-56964-7 | Built 1983 | Replaced, or Replacement Removed | Code Stampe (Yes Or No |
| S*SV | Manufacturer | Serial No. N56964-07-0101 | Board No. | Other Identification DS-C-56964-7 | Built 1983 | Replaced, or Replacement Removed | Code Stampe (Yes Or No) Yes |
| Donent S*SV DA | Manufacturer Crosby Crosby | Serial No. N56964-07-0101 | Board No. | Other Identification DS-C-56964-7 | Built 1983 | Replaced, or Replacement Removed | Code Stampe (Yes Or No) Yes |
| ponent S*SV OA Descrip | Crosby Crosby | Serial No. N56964-07-0101 N56964-07-0059 | Board No. | Other Identification DS-C-56964-7 DS-C-56964-7 | 1983 1983 | Replaced, or Replacement Removed | Code Stampe (Yes Or No) Yes Yes |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{7}$ in. \times 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| 9. Remarks None |
| 7. Relief Ks Notice |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to the |
| rules of the ASME Code, Section XI. |
| Signed . The Ast En Supr Date Tho , 19 F8 . Owner or Owner's Designee, Title |
| CERTIFICATE OF INSERVICE INSPECTION |
| 50 March 1980년 대한 1일 |
| t, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| of //prifer d //sp / have inspected the components described in this Owner's Report |
| tors and the State of Province of the Inspected the components described in this Owner's Report during the period to to to to to the Report to the Components described in this Owner's Report knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| |
| for Commissions C7/4/9 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 4-2/ 19 85 |
| 어느 얼마나 나를 가장 아니다. 그렇게 그렇게 되는 사람이 되는 사람들이 살아 보는 것이 없었다. |
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| FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS | |
|-----------------------------------------------------------|-----------------|
| As Required by the Provisions of the ASME Code Section X1 | |
| | *************** |

| . Owner | Northeast Utilitie | es Service Co. | | Date | 2/8/88 | | |
|-----------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------|-----------------------|------------------------------------------|------------------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterford, | CT 06385 | | Sheet _ | 1 | of 2 | |
| | Addres | | | | | | |
| . Plant | Millstone Nuclear | Power Station | | Unit _ | 111 | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterford, | . CT 06385 | | M3-86 | -12155 | | |
| | Addres | Andrew or the Park of the Park | | Ac | thorized W | ork Order Number | |
| . Wor | erformed by Millst | tone Station | | | | | |
| | Name | | | | | | |
| 0.0 | Box 128, Waterford | CT | | | | | |
| F.0. | Addres | | | | | | |
| | | 200 | | | | | |
| . Identi | fication of System . | KCS | | | | | 774 3 |
| | Applicable Construct | f Section XI L | Jtilized fo | r Repairs or Repla | acements 19 | 80, W80 | |
| (b) A | Applicable Edition of | | | | | 80, w80 | ACME |
| (b) A | Applicable Edition of | | | | | 80, w80 | ASME Code |
| (b) A | Applicable Edition of | | | | | Repaired, | |
| (b) A | Applicable Edition of Componer Name of | nts Repaired o | National Board | d and Replacement (| Components | Repaired, | Code Stamped (Yes |
| (b) A | Applicable Edition of | nts Repaired o | or Replaced | d and Replacement (| Components | Repaired, | Code Stamped |
| (b) A 6. Identi Name of Component | Applicable Edition of Componer Name of | nts Repaired o | National Board | d and Replacement (| Components | Repaired, | Code Stamped (Yes |
| (b) A 6. Identi Name of Component | Applicable Edition of Componer Name of Manufacturer | nts Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A 6. Identi Name of Component | Applicable Edition of Componer Name of Manufacturer | nts Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, Replaced, or Replacement | Code Stamped (Yes Or No) |
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| (b) A 5. Identi | Applicable Edition of Componer Name of Manufacturer | nts Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A 6. Identi Name of Component | Applicable Edition of Componer Name of Manufacturer | nts Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Applicable Edition of Componer Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component RCS*PCV456 | Applicable Edition of Componer Name of Manufacturer Crosby | Manufacturer Serial No. P-129 | National Board No. N/A | Other Identification N/A | Year Built 1983 | Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| Name of Component RCS*PCV456 | Name of Manufacturer Crosby Conducted: Hydro | Manufacturer Serial No. P-129 hine seat to | National Board No. N/A | Other Identification N/A | Year Built 1983 | Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |

mote: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $3\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| Remarks None | |
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements mi | ade in the report are correct and this Repair conforms to the |
| no coronty and one occasioned in | Repair or replacement |
| ules of the ASME Code, Section XI. | |
| Til. | Azit En Syr Date 4/20, 19 88 |
| Owner or Owner's Design | 7 3)1 Date 1/10 , 19 40 |
| owner or amner's besign | ice, ittle |
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| | CERTIFICATE OF INCERTICE INCRECTION |
| | CERTIFICATE OF INSERVICE INSPECTION |
| , the undersigned, holding a valid or | ommission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| ors and the State or Province of Con- | necticut and employed by HSB 1&1 |
| or a did the state of from the or com | |
| f Hartford | have inspected the components described in this Owner's Report |
| of Hartford Juring the period 2/12/88 | have inspected the components described in this Owner's Report to 40100000000000000000000000000000000000 |
| ofHartford Turing the period2/12/88 Throwledge and belief, the Owner has pe | erformed examinations and taken corrective measures described in this Owner' |
| of Hartford Juring the period 2/12/88 | erformed examinations and taken corrective measures described in this Owner |
| of Hartford during the period 2/12/88 knowledge and belief, the Owner has period to accordance with the requirem | erformed examinations and taken corrective measures described in this Owner ments of the ASME Code, Section XI. |
| of Hartford during the period 2/12/88 knowledge and belief, the Owner has per deport in accordance with the requirem By signing this certificate neith | erformed examinations and taken corrective measures described in this Owner' ments of the ASME Code, Section XI. |
| Hartford Juring the period 2/12/88 Inowledge and belief, the Owner has period belief, the Owner has period belief. By signing this certificate neith concerning the examinations and correct inspector nor his employer shall be like | erformed examinations and taken corrective measures described in this Owner' ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implied, ctive measures described in the Owner's Report. Furthermore, neither the fable in any manner for any personal injury, property damage, or a loss of |
| If Hartford Ouring the period 2/12/88 Inowledge and belief, the Owner has period to accordance with the requirer By signing this certificate neither the concerning the examinations and correct | erformed examinations and taken corrective measures described in this Owner' ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implied, ctive measures described in the Owner's Report. Furthermore, neither the fable in any manner for any personal injury, property damage, or a loss of |
| Hartford Juring the period | erformed examinations and taken corrective measures described in this Owner' ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implied, ctive measures described in the Owner's Report. Furthermore, neither the iable in any manner for any personal injury, property damage, or a loss of th this inspection. |
| If Hartford Har | erformed examinations and taken corrective measures described in this Owner' ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implied ctive measures described in the Owner's Report. Furthermore, neither the lable in any manner for any personal injury, property damage, or a loss of the this inspection. |
| f Hartford uring the period 2/12/88 nowledge and belief, the Owner has pereport in accordance with the requirer By signing this certificate neith oncerning the examinations and correct neglector nor his employer shall be leading with the requirer on the semployer shall be leading to the semployer shall be semployer | erformed examinations and taken corrective measures described in this Owner ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implied ctive measures described in the Owner's Report. Furthermore, neither the lable in any manner for any personal injury, property damage, or a loss of the this inspection. Commissions Criff National Board, State, Province, and Endorsements |

| 1. Owner | Northeast Utili | ties Service Co | Color History | Date | 3/11/88 | | |
|-----------------------------------------------|----------------------------------------------------------------|---------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------|------------------------------------------|
| | Nam | e | | | | | |
| PO | Box 128, Waterfo | rd CT 06385 | | Sheet | 1 | of 2 | |
| | | ress | | | | | |
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| 2. Plant _ | Millstone Nucle | | n | Unit _ | 111 | | |
| | Nam | | | | | | |
| P.0. | Bcx 128, Waterfo | ord, CT 06385 | | Contraction of the Contraction o | -05263 | | |
| | Add | iress | | Au | thorized W | ork Order Number | |
| Wank Da | oformed by Mil | latana Station | | | | | |
| 3. Work Pe | rformed by Mil | | | | | | |
| | | | | | | | |
| P.O. | Box 128, Waterfo | | | | | | |
| | Add | iress | | | | | |
| 4. Identif | ication of Syste | m Reactor Con | lant Syste | em | | | |
| | 10001011 01 07000 | | 70110 | , | | | The state of |
| 5. (a) Ap | plicable Constru | oction Code AS | ME 111 | 1971 Edition, | W73 | Addenda, N/A | Code Case |
| C / 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | attackt - Fathian | | 111. 11. 1 | C - C - 1 C - 1 | 10 | 02 002 | |
| (D) Ap | pricable Edition | of Section XI | Utilized 1 | for Repairs or Repla | cements 19 | 03, 303 | |
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| | | | | ed and Replacement (| | 03, 303 | |
| | | | | | | 03, 303 | ASME |
| | | | | | | 03, 303 | ASME Code |
| | | | | ed and Replacement (| | Repaired, | |
| 5. Identif | | | or Replace | ed and Replacement (| | | Code |
| 6. Identif | ication of Compo | nents Repaired Manufacturer | or Replace | ed and Replacement (| Components | Repaired, | Code Stamped |
| 6. Identif | ication of Compo | nents Repaired Manufacturer | National Board | ed and Replacement (| Components | Repaired, Replaced, | Code Stamped (Yes |
| 6. Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| 6. Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer Crosby | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Name of Manufacturer | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer Crosby | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer Crosby | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer Crosby | Manufacturer Serial No. | National Board No. | od and Replacement Control Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer Crosby Safety Spare Va | Manufacturer Serial No. N56964-070102 | National Board No. | Other Identification DS-C-56964 | Year Built 1985 | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer Crosby Safety Spare Va | Manufacturer Serial No. N56964-070102 | National Board No. | od and Replacement Control Other Identification | Year Built 1985 | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component * *Pressurizer 7. Descrip | Name of Manufacturer Crosby Safety Spare Va | Manufacturer Serial No. N56964-070102 | National Board No. 1039 | Other Identification DS-C-56964 | Year Built 1985 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of Component * *Pressurizer 7. Descrip | Name of Manufacturer Crosby Safety Spare Value Conducted: Hyde | Manufacturer Serial No. N56964-070102 | National Board No. 1039 | Other Identification DS-C-56964 | Year Built 1985 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |

 \mathbb{Z} : Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement ules of the ASME Code, Section XI. igned |
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| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement Repair or replacement and the Repair or replacement reports of the ASME Code, Section XI. Igned Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement conforms to the Repair or replacement replace |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement conforms to the Repair or replacement replace |
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| We certify that the statements made in the report are correct and this Replacement Repair or replacement conforms to the Repair or replacement replace |
| Repair or replacement igned Towner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 18* f Hartford have inspected the components descr d in this Owner's Report uring the period 3/14/88 to 4-2/-3/2 and state that to the best of my nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's eport in accordance with the requirements of the ASME Code, Section XI. |
| certificate of inservice inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspected the components described in this Owner's Report uring the period 3/14/88 The inspec |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB I&1 The Hartford have inspected the components described in this Owner's Report uring the period 3/14/88 to 4-3/-28, and stuce that to the best of my nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's eport in accordance with the requirements of the ASME Code, Section XI. |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned is the undersigned in the undersigne |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB 18' The undersigned is the undersigned in the undersigne |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB I&' f Hartford have inspected the components described in this Owner's Report uring the period 3/14/88 to 4-2/-> uring the period 3/14/88 to 4-2/-> nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's eport in accordance with the requirements of the ASME Code, Section XI. |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB I&' f Hartford have inspected the components described in this Owner's Report uring the period 3/14/88 to 4-2/-> uring the period 3/14/88 to 4-2/-> nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's eport in accordance with the requirements of the ASME Code, Section XI. |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB I&' f Hartford have inspected the components described in this Owner's Report uring the period 3/14/88 to 4-2/-> uring the period 3/14/88 to 4-2/-> nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's eport in accordance with the requirements of the ASME Code, Section XI. |
| ors and the State or Province of Connecticut and employed by HSB IA' f Hartford have inspected the components described in this Owner's Report uring the period 3/14/88 to 4-2/->, and state that to the best of my nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's port in accordance with the requirements of the ASME Code, Section XI. |
| ors and the State or Province of Connecticut and employed by HSB IA' f Hartford have inspected the components described in this Owner's Report uring the period 3/14/88 to 4-2/-1/2 , and state that to the best of my nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner' eport in accordance with the requirements of the ASME Code, Section XI. |
| nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner' eport in accordance with the requirements of the ASME Code, Section XI. |
| nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner' eport in accordance with the requirements of the ASME Code, Section XI. |
| eport 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. |
| |
| oncerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| nspector nor his employer shall be liable in any manner for repersonal injury, property damage, or a loss of ny kind arising from or connected with this inspection. |
| 이 그리다는 이 없는 것 같아 없는 것이 되는 것이 되는 것이 되어 가장 사람들이 되었다. 그렇게 살아보는 것이 없는 것이 없는 것이 없다. |
| Rozman Commissions CT/1/9 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| ate |
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

| . Owner N | Wortheast Utilitie | 0 0011100 011 | | | | | |
|----------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------|----------------------------|-------------------------------------------|--------------------------------------------------|
| | Name | | | | | | |
| P.O. Bo | x 128, Waterford, | CT 06385 | | Sheet _ | 1 0 | of 2 | |
| | Addres | Market Street Control of the Control | | | | | |
| . Plant M | Millstone Nuclear | Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.O. Bo | ox 128, Waterford, | CT 06385 | | M3-86 | -12156 | | |
| 7,0,00 | Addres | Designation of the last of the | | Au | thorized Wo | ork Order Number | |
| Work Dord | formed by Millst | rone Station | | | | | |
| . Work Perf | Name | tone scatton | | | | | |
| | | | | | | | |
| P.O. Bo | ox 128, Waterford, | | | | | | |
| | Addres | 5.5 | | | | | |
| . Identific | cation of System | RCS | | the second to | | | |
| (b) App | licable Construct licable Edition of | ion Code ASM f Section XI U | E III Itilized fo | or Repairs or Repla | cements 198 | 80, W80 | _ 0000 000 |
| (b) App | licable Edition of | f Section XI U | Itilized fo | or Repairs or Repla | cements 19 | 80, W80 | _ Code Cas |
| (b) App | licable Edition of | f Section XI U | tilized for Replaced | or Repairs or Repla | cements 19 | 80, W80 | ASME Code |
| (b) App | licable Edition of | f Section XI U | r Replaced National | or Repairs or Repla | cements 198 | Renaired, | ASME Code Stamped |
| (b) App. Identific | licable Edition of cation of Componer | f Section XI Unts Repaired o | r Replaced National Board | or Repairs or Repla d and Replacement C | omponents Year | Renaired, Replaced, | ASME Code Stamped (Yes |
| (b) App. Identific | licable Edition of | f Section XI Unts Repaired o | r Replaced National | or Repairs or Repla | cements 198 | Renaired, | ASME Code Stamped |
| (b) App. Identification Name of omponent | licable Edition of cation of Componer | f Section XI Unts Repaired o | r Replaced National Board | or Repairs or Repla d and Replacement C | omponents Year | Renaired, Replaced, | ASME Code Stamped (Yes |
| (b) App. Identification Name of omponent | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of component | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of component | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of omponent | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of omponent | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of component | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of component RCS*PCV455A | Name of Manufacturer Crosby | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identification Name of component RCS*PCV455A | Name of Manufacturer | f Section XI Unts Repaired of Manufacturer Serial No. | National Board No. | Or Repairs or Repland and Replacement Control Other Identification | omponents Year Built | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) |
| (b) App. Identific Name of component RCS*PCV455A | Name of Manufacturer Crosby Tor of Work Rep | f Section XI Unts Repaired of Manufacturer Serial No. P131 | National Board No. | Other Identification N/A | omponents Year Built 1983 | Renaired, Replaced, or Replacement | ASME Code Stamped (Yes Cr No) Yes |
| (b) App. Identific Name of component RCS*PCV455A | Name of Manufacturer Crosby ior of Work Rep | Manufacturer Serial No. P131 | National Board No. N/A | Other Identification N/A | Year Built 1983 | Renaired, Replaced, or Replacement Repair | ASME Code Stamped (Yes Cr No) Yes |

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

| FORM NIS-2 (Back) |
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| Kemarks None |
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| CERTIFICATE OF COMPLIANCE |
| 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 |
| We certify that the statements made in the report are correct and this Repair conforms to the |
| Repair or replacement rules of the ASME Code, Section XI. |
| |
| Signed Tuly Ast En Syv Date 4/20, 19 88 Owner Growner's Designee, Title |
| Owner of Owner's Designee, Title |
| |
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| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of Connecticut and employed by HSB 1&1 |
| tors and the State or Province of Connecticut of Hartford during the period 2/12/88 And employed by HSB 1&1 have inspected the components described in this Owner's Report of the period 1/1/89 And state that to the best of my converge and belief, the Owner has performed examinations and taken converting. |
| krowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| Rojan Commissions CT1119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date 9-21 19 5 |
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| . Owner Northeast Utilities Service Co. | Date 2/8/88 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | |
| P.O. Box 128, Waterford, CT 06385 Address | Sheet 1 of 2 |
| Plant Millstone Nuclear Power Station Name | Unit |
| P.O. Box 128, Waterford, CT 06385 | M3-86-12156 |
| Address | Authorized Work Order Number |
| . Work Performed by Milistone Station Name | |
| P.O. Box 128, Waterford, CT | |
| Address | |
| . Identification of System RCS | |
| (a) Applicable Construction Code ASME 11 | 1977 Edition S77 Addenda N/A Code Cas |
| (b) Applicable Edition of Section X1 Utilized for Identification of Components Repaired or Replaces | d and Replacement Components |
| . Identification of Components Repaired or Replaced National Name of Manufacturer Board | ASME Code Repaired, Stamped Other Year Replaced, (Yes |
| National Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | ASME Code Repaired, Stamped Other Year Replaced, (Yes |
| . Identification of Components Repaired or Replaced National Name of Manufacturer Board omponent Manufacturer Serial No. No. | ASME Code Repaired, Stamped Other Year Replaced, (Yes Identification Built or Replacement Or No) |
| National Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. CS*PVC455A Crosby P131 N/A | ASME Code Repaired, Stamped Other Year Replacement Or No) N/A 1983 Replacement Yes |
| National Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. CS*PVC455A Crosby P131 N/A Description of Work Replacement of studs and no. | ASME Code Repaired, Stamped Other Year Replacement Or No) N/A 1983 Replacement Yes |
| National Name of Name of Manufacturer Board Component Manufacturer Serial No. No. CCS*PVC455A Crosby P131 N/A Tests Conducted: Hydrostatic /_/ Pneuma | and Replacement Components ASME Code Repaired, Stamped Other Year Replaced, (Yes Identification Built or Replacement Or No) N/A 1983 Replacement Yes uts seized |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks Studs SA199, Cr. B6, Nuts SA 194, Cr. B6 |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to |
| rules of the ASME (ode, Section XI. |
| Signed Tuly Ast Eng Sp Date 4/20, 19 |
| CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Instant tors and the State or Province of Connecticut and employed by HSB [&] |
| of Hartford have inspected the components described in this Owner's Re |
| of Hartford have inspected the components described in this Owner's Reduring the period $\frac{2}{12}$ 88 to $\frac{4}{3}$ 1-38, and state that to the best of |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Ow Report in accordance with the requirements of the ASME Code, Section XI. |
| mpore in decordance in an energy rements of the Asia code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or impl |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shal be liable in any manner for any personal injury, property damage, or a loss any kind arising from or connected with this inspection. |
| Rozer Commissions CT1119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date |
| |

| . Owner | Northeast Utilit | ies Service Co | | Date | 3/11/88 | | |
|------------|---------------------|-----------------|-------------|---------------------|---------------|-------------------|-----------|
| | Name | | | | | | |
| 0.0 | 0 120 Waterface | J CT 00305 | | Sheet | 1 of | | |
| ٧.0. | Box 128, Waterfor | | | Sneet _ | 01 | | |
| | Addr | ess | | | | | |
| . Plant | Millstone Nuclea | r Power Station | n | Unit _ | 111 | | |
| | Name | | | | | | |
| | | | | | | | |
| P.0. | Box 128, Waterfor | d, CT 06385 | | M3-87 | -12108 | | |
| | Addr | ess | | Au | thorized Wor | k Order Number | |
| | | | | | | | |
| 3. Work F | Performed by Mill | | | | | | |
| | Name | | | | | | |
| 0.0 | Day 120 Waterfee | 4 67 | | | | | |
| P.0. | Box 128, Waterfor | | | | | | |
| | Addi | 622 | | | | | |
| . Ident | ification of System | Reactor Coo | lant System | | | | |
| | | | | | | | |
| 5. (a) / | Applicable Construc | tion Code ASI | ME III | 1971 Edition, | S73 Ad | denda, 1553-1 | Code Case |
| | | | | or Repairs or Repla | | | _ |
| | | | | | | - | |
| 6. Ident | cation of Compor | nen : Repaired | or Replaced | and Replacement C | Components | | |
| | | | | | | | |
| | | | | | | | ASME |
| | | | | | | | Code |
| | | | National | | | Repaired, | Stamped |
| Name of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| Component | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | Or No) |
| | | | | | | | |
| 3RCS* | | | | Drawing Number | | | |
| V030 | Westinghouse | * | N/A | 5059046 | 1977 | Replacement | |
| 1030 | westingilouse | | 14/10 | 3033046 | 13// | Repracement | Vac |
| | | | | | | | Yes |
| | | | | | | | Yes |
| | | | | | | | Yes |
| *10000CS88 | 0000A000S740008 | | | | | | Yes |
| *10000CS8B | 0000A000S740008 | | | | | | Yes |
| *10000CS8B | 0000A00C\$740008 | | | | | | Yes |
| *10000CS8B | 0000A00C\$740008 | | | | | | Yes |
| | | ep.acement of t | wo stud/nu | ts galled during d | isassembly f | or ISI. | Yes |
| | | ep-acement of t | wo stud/nu | ts galled during d | isassembly fo | or ISI, | Yes |
| 7. Descr | iption of Work R | | | | | | |
| 7. Descr | iption of Work R | | | ts galled during d | | | |
| 7. Descr | iption of Work R | rostatic /_/ | Pneuma | tic /_/ | Nominal Ope | rating Pressure / | <u> </u> |
| 7. Descr | iption of Work R | rostatic /_/ | Pneuma | | Nominal Ope | rating Pressure / | <u> </u> |

No.E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{9}$ ir. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) | |
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| 9. Remarks Visual inspection performed | |
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| | Colored the horizon |
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| | Per receipt of |
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| CERTIFICATE OF COMPLIANCE | |
| We contifue that the attended and to the acceptance and the Residence | |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement | conforms to the |
| rules of the ASME Code, Section XI. | |
| | |
| Signed Duly Ast Eng Supu Date 4/20 Owner Gr Owner's Designee, Title | , 19 8 |
| Owner Or Owner's Designee, Title | |
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| CERTIFICATE OF INSERVICE INSPECTION | |
| the indeptioned holding a valid associate to the National Research | |
| tors and the State or Province of | Vessel Inspec- |
| tors and the State or Province of CT and employed by $MSRI=2$ of $MPRIFARD$ have inspected the components described in this during the period $311-88$ to $421-88$, and state that to | Owner's Report |
| during the period $3/1-87$ to $4/2/8$, and state that to | the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described | in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this contistions college the learning to | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expres concerning the examinations and corrective measures described in the Owner's Report. Furthermore, | sed or implied, |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, | neither the |
| any kind arising from or connected with this inspection. | 01 8 1055 01 |
| | |
| Polymer Commissions CT1119 | |
| Inspector's Signature National Board, State, Province, and E | ndorsements |
| Date 4.21 1988 | |
| 1900 | |
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| Owner | Northeast Utilit | ies Service Co. | | Date | 3/25/88 | | |
|----------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| | Name | | | | | | |
| P.O. F | Bcx 128, Waterfor | d. CT 06385 | | Sheet | 1 0 | f 2 | |
| | Addr | Complete Section 1 and 1 | | | | | |
| 01 | Williamon Number | a Dawas Station | | Unit | nie - | | |
| Plant _ | Millstone Nuclea Name | | | | | | |
| | | | | | | | |
| P.O. 1 | Box 128, Waterfor | | | DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 IN COLUMN | | 9/M3-87-04010/04019 tion P.O. No., Job | THE RESERVE AND ADDRESS OF THE PARTY OF THE |
| | Addr | ess | | кера | air organiza | C1011 P.O. NO., 300 | No., ecc. |
| Work Pe | rf. med by Mill | stone Station | | | | | |
| | Name | • | | | | | |
| P. O. | Box 128, Waterfor | rd CT | | | | | |
| -1101 | | ress | | | | | |
| | | | | | | | |
| Identif | ication of System | Reactor Cool | ant System | | | | |
| (a) Ap | plicable Construc | ction Code ASM | 1E 111 | 1971 Edition, | S73 A | ddenda, N/A | _ Code Cas |
| (b) Ap | plicable Edition | of Section XI U | Jtilized fo | r Repairs or Repla | acements 198 | 3, 583 | |
| | | | | | | | |
| | | | | | | | |
| ldentif | ication of Compor | nents Repaired o | or Replaced | and Replacement (| Components | | |
| Identif | ication of Compor | nents Repaired o | or Replaced | and Replacement (| Components | | ASME |
| ldentif | ication of Compor | nents Repaired o | or Replaced | and Replacement (| Composients | | ASME Code |
| | | | National | | | Repaired, | Code Stamped |
| ame of | Name of | Manufacturer | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| lame of | | | National | | | | Code Stamped |
| ame of | Name of | Manufacturer | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| dame of | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| dame of mponent | Name of | Manufacturer | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| ame of mponent CS-FIS | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replacement Replacement Replacement | Code Stamped (Yes Or No) |
| ccs-FIS | Name of Manufacturer | Manufacturer Serial No. N/A N/A | National Board No. N/A | Other Identification N/A N/A | Year Built 1983 | Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes |
| ame of mponent CS-FIS | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification N/A | Year Built 1983 | Replacement Replacement Replacement | Code Stamper (Yes Or No) |
| ame of mponent CS-FIS 7 | Name of Manufacturer | Manufacturer Serial No. N/A N/A | National Board No. N/A | Other Identification N/A N/A | Year Built 1983 | Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes |
| cs-FIS | Name of Manufacturer * * | Manufacturer Serial No. N/A N/A | National Board No. N/A N/A | Other Identification N/A N/A | Year Built 1983 1983 | Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes |
| cs-FIS | Name of Manufacturer * * | Manufacturer Serial No. N/A N/A | National Board No. N/A N/A | Other Identification N/A N/A | Year Built 1983 1983 | Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes |
| lame of omponent ocs-FIS 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | Name of Manufacturer * * | Manufacturer Serial No. N/A N/A N/A | National Board No. N/A N/A N/A | Other Identification N/A N/A N/A | Year Built 1983 1983 | Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes |
| dame of omponent PCS-FIS 7 7 7 7 7 One Star S | Name of Manufacturer * * * * Screw | Manufacturer Serial No. N/A N/A N/A N/A N/A | National Board No. N/A N/A N/A | Other Identification N/A N/A N/A N/A N/A Oue to Galling | Year Built 1983 1983 1983 | Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes Yes |
| Name of omponent RCS-FIS 17 27 47 Lone Star S | Name of Manufacturer * * * Screw Screw Conducted: Hyd | Manufacturer Serial No. N/A N/A N/A N/A N/A Peplacement of Simple of S | National Board No. N/A N/A N/A N/A | Other Identification N/A N/A N/A N/A N/A Oue to Galling | Year Built 1983 1983 1983 Nominal Ope | Replacement Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes Yes |
| Name of omponent RCS-FIS 17 27 47 Lone Star S | Name of Manufacturer * * * Screw Screw Conducted: Hyd | Manufacturer Serial No. N/A N/A N/A N/A N/A | National Board No. N/A N/A N/A N/A | Other Identification N/A N/A N/A N/A N/A Oue to Galling | Year Built 1983 1983 1983 Nominal Ope | Replacement Replacement Replacement Replacement Replacement | Code Stamper (Yes Or No) Yes Yes Yes Yes |

NOTE: Supplemental sheets in form of lists, sketches, or drawings mr, be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks None |
| Nemarks None |
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| |
| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to the |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly A31+ Englipe Date 1/20, 19 50 Owner of Owner's Designee, Title |
| Owner or Owner's Designes. Title |
| |
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| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec |
| tors and the State or Province of 7 and employed by AST ZOF of ADDITION have inspected the components described in this Owner's Reporduring the period 5 to 4.21.58, and state that to the best of m |
| during the period 2 - 2 5 to 4 2 7 5 8 and state that to the best of m |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| 1000 Commissions CT 1119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 4.21 19 18 |
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| |

| 1. | Owner Northeast Utilities Service Co. | | Date | 3/28/88 | | |
|--------------|-------------------------------------------------------|------------|--------------------------------|------------|----------------------|----------------|
| | Name | | | RELIEF TO | | |
| | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | | Chast | | | |
| | P.O. Box 128, Waterford, CT 06385 | | Sneet _ | 1 | of 2 | |
| | Address | | | | | |
| | Plant Millstone Nuclear Power Station | | Unit | 111 | Les Laterates | |
| | Name | | | | | |
| | -100 TA 100 SA - 5 F 12 Table 1 | | | 22514 | | |
| | P.O. Box 128, Waterford, CT 06385 Address | | | -03514 | ork Order Number | |
| | Acoress | | 20 | Chorized M | or a crader trainber | |
| 3. | Work Performed byMillstone Station | | | | | |
| | Name | | | | | |
| | | | | | | |
| | P.O. Box 128, Waterford, CT | | | | | |
| | Address | | | | | |
| | Identification of System Reactor Cool | ant System | | | | |
| | Node of State Node of State | 0110 07000 | | | | |
| 5. | (a) Applicable Construction CodeASM | Æ 111 | 1971 Edition. | \$73 | Addenda. N/A | Code Case |
| | (b) Applicable Edition of Section XI L | | | | | _ |
| | | | | - | | |
| 6. | Identification of Components Repaired of | r Replace | d and Replacemen: C | omponents | | |
| | | | | | | |
| | | | | | | ASME |
| | | | | | | Code |
| VI | | National | | | Repaired, | Stamped |
| | e of Name of Manufacturer | Board | Other | Year | Replaced, | |
| ,omp | onent Manufacturer Serial No. | No. | Identification | Built | or Replacement | (Yes |
| | | | | | | (Yes Or No) |
| 3RCS | * | | Drawing Number | | | |
| RCS | * | | Drawing Number | | | |
| - | | 1225 | Drawing Number | 1979 | Replacement | |
| - | | 1225 | | 1979 | Replacement | Or No) |
| - | | 1225 | | 1979 | Replacement | Or No) |
| - | | 1225 | | 1979 | Replacement | Or No) |
| - | | 1225 | | 1979 | Replacement | Or No) |
| - | | 1225 | | 1979 | Replacement | Or No) |
| | | 1225 | | 1979 | Replacement | Or No) |
| /097 | Walworth A1938 | | D-51318 | | Replacement | Or No) |
| V097 | | | D-51318 | | Replacement | Or No) |
| 7. | Walworth A1938 Description of Work Replacement of Bo | onnet to E | D-51318 Ody Nut due to Gall | ing | | Or No) Yes |
| 3RCS V097 | Walworth A1938 | onnet to E | D-51318 Ody Nut due to Gall | ing | | Or No) Yes |

MolE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| 그리지 않는데 그는 사람들이 되는 사람들이 되었다. 그는 사람들이 되었다면 하는데 되었다면 하는데 되었다면 되었다. |
| Remarks None |
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| CERTIFICATE OF COMPLIANCE |
| |
| We certify that the statements made in the report are correct and this Replacement conforms to the |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ast Eng Sipr Date 4/20, 19 88 Owner or Owner's Designee, Title |
| Owner or Annel Designer Title |
| owner or owner's besignee, inche |
| |
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| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of and employed by ASE IO = |
| of \mathcal{H} have inspected the components described in this Owner's Report during the period $3:11:15$ to $4:11:15$, and state that to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| the state of the s |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| |
| Commissions CT11/9 Inspector's Signature National Board, State, Province, and Endorsements |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 4.21 19 88 |
| The state of the s |
| |

| . Owner _ | Northeast Utilit | ies Service Co. | | Date | 3/28/88 | | |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------|
| | Name | | | | | | |
| P.0. | Box 128, Waterfor | d, CT 06385 | | Sheet _ | 1 0 | of _ 2 | |
| | Addr | ess | | | | | |
| . Plant_ | Millstone Nuclea | r Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | d, CT 06385 | | M3-87 | -03300/0330 |)4 | |
| | Addr | and the same of th | | Au | thorized Wo | ork Order Number | |
| . Work Pe | rformed byMill | stone Station | | | | | |
| | Name | The state of the s | | | | | |
| P.O. | Box 128, Waterfor | d. CT | | | | | |
| | Addr | | | | | | |
| . Identif | ication of System | Peactor Cool | lant System | | | | |
| | | | | | | | |
| | oplicable Construction | | | or Repairs or Repla | | | |
| (b) Ap | plicable Edition | of Section XII | Utilized for Replace | | cements 198 | 33, 583 | ASME Code |
| (b) Ap | plicable Edition | of Section XI L | Utilized for Replace | or Repairs or Repla | cements 198 | Repaired, | Code Stamped |
| (b) Ap | plicable Edition | of Section XII | Utilized for Replace | or Repairs or Repla | cements 198 | 33, 583 | Code |
| (b) Ap | plicable Edition fication of Compon | of Section XI Lenents Repaired of Manufacturer | Or Replaced National Board | or Repairs or Repla d and Replacement C | cements 198 components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap . Identif Name of component RCS*PCV | plicable Edition fication of Compon | of Section XI L ments Repaired of Manufacturer Serial No. | Or Replaced National Board | Other | cements 198 components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap . Identif Name of component RCS*PCV | Policable Edition Fication of Compon Name of Manufacturer | of Section XI Lents Repaired of Manufacturer Serial No. | National Board No. | Other Identification Drawing Number | cements 198 components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif . Name of . Component . RCS*PCV | Name of Manufacturer Crosby | Manufacturer Serial No. K72030- | National Board N/A | Other Identification Drawing Number DS-C-67990 | cements 198 components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component RCS*PCV 55A 56 | Name of Manufacturer Crosby Crosby | Manufacturer Serial No. K72030- 00-0001 | National Board No. | Other Identification Drawing Number DS-C-67990 | Year Built | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of Component RCS*PCV | Name of Manufacturer Crosby Crosby | Manufacturer Serial No. K72030- 00-0001 00-0003 00-0022 00-0023 | National Board No. | Other Identification Drawing Number DS-C-67990 DS-C-67970 DS-C-67970 | Year Built 1987 1987 | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes |
| Name of Component RCS*PCV S55A S66 C Descrip | Name of Manufacturer Crosby Crosby Crosby Crosby | Manufacturer Serial No. K72030- 00-0001 00-0003 00-0022 00-0023 | National Board No. N/A N/A N/A N/A N/A | Other Identification Drawing Number DS-C-67970 DS-C-67970 DS-C-67970 | Year Built 1987 1987 | Repaired, Replaced, or Replacement Replacement Replacement Replacement Replacement | Code Stamped (Yes Cr No) Yes Yes Yes Yes |
| Name of Component RCS*PCV S55A S66 C Descrip | Name of Manufacturer Crosby Crosby Crosby Crosby Crosby Crosby Crosby Chosby Chosby Crosby Crosby Crosby Crosby | Manufacturer Serial No. K72030- 00-0001 00-0022 00-0023 eplacement of t | National Board No. N/A N/A N/A N/A Pneuma | Other Identification Drawing Number DS-C-67970 DS-C-67970 DS-C-67970 Identification | Year Built 1987 1987 1987 Nominal Op | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Cr No) Yes Yes Yes Yes |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| |
| Remarks None |
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| CERTIFICATE OF COMPLIANCE |
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| We certify that the statements made in the repo are correct and this Replacement conforms to |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tulie Ast En Sav Date 4/20, 19 |
| Owner or Owner's Designee Title |
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| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| he undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Ins |
| tors and the State or Province of CT and employed by MSG ZC+ |
| of fiber ford have inspected the components described in this Owner's Reducing the period 3.445 to 4.474 , and state that to the best of |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Ow |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| and the state of t |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or impl |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither th |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss |
| any kind arising from or connected with this inspection. |
| C+1113 |
| Commissions CT/1/9 Inspector's Signature National Board, State, Province, and Endorsements |
| Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date 4.4/ 19.8/ |
| |

| | | ies Service Co. | | Date | 4/11/88 | | |
|------------------------|-----------------------------------------|-----------------|--------------|----------------------------------|-----------------------|-----------------------------|-------------------------|
| | Name | | | | | | |
| P.O. Bo | x 128, Waterfor | d, CT 06385 | | Sheet _ | 1c | f 2 | |
| | Addr | | | | | | |
| Plant M | illstone Nuclea | r Power Station | n | Unit | 111 | | |
| _ | Name | | -177 | | | | |
| | | | | W2-07 | -02212 | | |
| P.O. Bo | x 128, Waterfor | | | | -07712 thorized Wo | rk Order Number | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | |
| Work Perf | ormed by Mill | | | | | | |
| | Name | | | | | | |
| P.O. Bo | x 128, Waterfor | rd, CT | | | | | |
| | | ress | | | | | |
| | | | | | | | |
| Identific | cation of System | Reactor Coo | lant System | | | | |
| | | | National | | | Repaired, | ASME Code Stamped |
| | | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| ame of | Name of | | 140 | | Built | | |
| | Name of Manufacturer | Serial No. | No. | Identification | 00110 | or Replacement | Or No) |
| nponent | | | N/A | CI-3RCS-516 | 1983 | Repair | |
| nponent | Manufacturer | | | | | | Or No) |
| mponent | Manufacturer | | | | | | Or No) |
| mponent | Manufacturer | | | | | | Or No) |
| nponent | Manufacturer | | | | | | Or No) |
| nponent | Manufacturer | | | | | | Or No) |
| nponent | Manufacturer | | | | | | Or No) |
| nponent | Manufacturer | | | | | | Or No) |
| nponent CS-006-84-1 | Manufacturer Stone & Webst | er N/A | N/A | CI-3RCS-516 | 1983 | | Or No) Yes |
| Descript | Manufacturer Stone & Webst | er N/A | ining of nic | CI-3RCS-516 cks (.015" deep) or | n the gaske | Repair t seating portion o | Or No) Yes f flange. |
| Descript | Manufacturer Stone & Webst | er N/A | ining of nic | CI-3RCS-516 cks (.015" deep) or | n the gaske | Repair t seating portion o | Or No) Yes f flange. |

number of sheets is recorded at the top of this form.

| | FORM NIS-2 (Back) |
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| | |
| Remarks None. | |
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| | CERTIFICATE OF COMPLIANCE |
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| We certify that the statements made | in the report are correct and this Repair conforms to the |
| | Repair or replacement |
| rules of the ASME Code, Section XI. | |
| cioned The | Art Eng Solv Date 4/20, 19 88 |
| Owner or Owner's Designee | Title |
| on ter discrete a designee, | |
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| | |
| to delicate the second | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | |
| | ssion issued by the National Board of Boiler and Pressure Vessel Inspec- |
| of Hartford | necticut and employed by HSR 1&1 have inspected the components described in this Owner's Report |
| during the period 1/12/88 | to 4/12/88 , and state that to the best of my |
| knowledge and belief, the Owner has perfo | rmed examinations and taken corrective measures described in this Owner' |
| Report in accordance with the requirement | |
| | |
| By signing this certificate neither | the Inspector nor his employer makes any warranty, expressed or implied, |
| | e measures described in the Owner's Report. Furthermore, neither the |
| | e in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with t | |
| 0 0 1 | C711/43 |
| P.25m- | Commissions C711/9 |
| Inspector's Signature | National Board, State, Province, and Endorsements |
| 1-111 | |
| Date | |
| | |

| Ρ. | Name O. Box 128, Waterfor | | | | | | |
|----------------------|-----------------------------------------|-----------------|--------------------------------------------------|-------------------|----------------------------|--------------------|---------------------------------|
| | Addr | | | | | | |
| . Iden | tification of System | Charging/Let | tdown Syste | m | | | |
| | | | | | | | |
| | Applicable Construc | tion CodaASI | ME 111 | 1980 Edition, | W80 Ad | danga, N/A | Code Case |
| (a) | Applicable Construction | | | | | | Code Case |
| (a) | Applicable Edition | of Section XII | Utilized fo | r Repairs or Rep. | cements 1983 | | Code Case |
| (a) (b) | | of Section XII | Utilized fo | r Repairs or Rep. | cements 1983 | | |
| (a) (b) | Applicable Edition | of Section XII | Utilized fo | r Repairs or Rep. | cements 1983 | | ASME |
| (a) (b) | Applicable Edition | of Section XII | Utilized fo | r Repairs or Rep. | cements 1983 | | |
| (a) (b) | Applicable Edition tification of Compon | of Section XI I | Utilized fo | r Repairs or Rep. | cements 1983 | , \$83 | ASME Cude |
| (a) (b) . Iden | Applicable Edition tification of Compon | of Section XI I | Utilized fo or Replaced National | r Repairs or Rep | cements 1983 | , S83 Repaired, | ASME Code Stamped |
| (a) | Applicable Edition tification of Compon | of Section XI I | Utilized for or Replaced National Board | and Replacement C | cements 1983 components | Repaired, | ASME Code Stamped (Yes |
| (a) (b) . Iden | Applicable Edition tification of Compon | of Section XI I | Utilized for or Replaced National Board | other | cements 1983 components | Repaired, | ASME Code Stamped (Yes |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

num er of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9. Remarks Inspections performed - liquid penetrant and visual. |
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| |
| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ast English Date 4/20, 19 FF |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by |
| tors and the State or Province of $C7$ and employed by $\frac{MSR}{2}$ $\frac{7}{2}$ of $\frac{MRRTFORE}{2}$ have inspected the components described in this Owner's Report during the period $\frac{3778}{2}$ to $\frac{2278}{2}$, and state that to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| 193- Cormissions 67/19 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 4 12 19 88 |

| . Owner | Northeast Utilit | ine Service Co. | | Date | 3/14/88 | | |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|----------------------------------------------|-----------------------|---------------------------------------------|-------------------------------------|
| · omier | Name | | | | | | |
| P.O. | Box 128, Waterfor | d, CT 06385 | | Sheet _ | 1 0 | of 2 | |
| | Addr | ress | | | | | |
| . Plant _ | Millstone Nuclea | ar Power Station | | Unit_ | 111 | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | rd, CT 06385 | | M3-88 | -02106 | | |
| | Addr | ress | | Au | thorized Wo | ork Order Number | |
| . Work Pe | rformed by Mill | 1stone Station | | | | | |
| | Name | e | | | | | |
| P.O. | Box 128, Waterfor | rd, CT | | | | | |
| | The second secon | ress | | | | | |
| . Identif | fication of System | AV | and the | | | | |
| | | | | r Repairs or Repla and Replacement C | | 83, 583 | |
| | | | | | | 83, 583 | ASME • Code |
| | | | | | | Repaired, | • Code |
| . Identif | | | or Replaced | | Components | | |
| . Identif | fication of Compo | nents Repaired | or Replaced | and Replacement C | Components | Repaired, | • Code Stamped |
| Name of | fication of Components | nents Repaired | National Board | and Replacement C | Components | Repaired, Replaced, | • Code Stamped (Yes |
| Name of component | fication of Components | nents Repaired | National Board | Other | Components | Repaired, Replaced, | • Code Stamped (Yes |
| Name of Component | Name of Manufacturer | Manufacturer Serial Nr. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer | Manufacturer Serial Nr. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer | Manufacturer Serial Nr. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer | Manufacturer Serial Nr. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer | Manufacturer Serial Nr. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) |
| Name of component CHS*RV | Name of Manufacturer Lonergran | Manufacturer Serial Nr. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) |
| Name of Component SCHS*RV | Name of Manufacturer Lonergran | Manufacturer Serial Nr. 407487-16-1 | National Board No. | Other Identification Drawing Number A-2616 | Year Built | Repaired, Replaced, or Replacement Repaired | • Code Stamped (Yes Or No) |
| Name of Component SCHS*RV | Name of Manufacturer Lonergran Detion of Work R Conducted: Hyd | Manufacturer Serial Nr. 407487-16-1 | National Board No. N/A | Other Identification Drawing Number A-2616 | Year Built 1981 | Repaired, Replaced, or Replacement | • Code Stamped (Yes Or No) Yes |

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

| FORM NIS-2 (Back) |
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| 9. Remarks- Leak Rate Test performed and functional test upon completion of the repair. |
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| |
| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Repair conforms to the |
| rules of the ASME Code, Section XI. |
| Signed Tuly At E. Supu Date 4/20, 19 Sf |
| CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CT and employed by $HSSICI$ |
| tors and the State or Province of CT and employed by $HSSICI$ of $HexTFo.c.d$ have inspected the components described in this Owner's Report during the period $SIIS$ to 42.88 , and state that to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| 어머니는 이 그 맛있다. 그는 그 그 이 이 이 아이는 아이는 아이를 하고 있다. 그는 그들은 그 맛있다고 있다면 하는데 아이를 하는데 아이를 하는데 아이를 하는데 아이를 하는데 아이를 하는데 없다. |
| Inspector's Signature Commissions CT//P3 National Board, Scate, Province, and Endorsements |
| |
| Date 4 2 19 88 |
| |

| . Owner _ | Northeast Utiliti | es Service Co. | | Date | 2/8/88 | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------|-----------------------------------------|------------------|------------------------------------------|------------------------------------------|--|
| _ P.O. E | P.O. Box 128, Waterford, CT 06385 Address | | | | Sheet 1 of 2 | | | |
| . Plant | Plant Millstone Nuclear Power Station Name | | | Unit | Unit III | | | |
| | | | | | | | | |
| P.O. 8 | Box 128, Waterford | 1. CT 06385 | | M3-86 | -12112 | | | |
| | Addre | | | Au | thorized Wo | ork Order Number | | |
| . Work Per | rformed by Mills | tone Station | | | | | | |
| HOLK LO | Name | scorie Station | | | | | | |
| | | | | | | | | |
| P.O. 8 | Box 123, Waterford Addre | | | | | | | |
| | 7,00 | | | | | | | |
| . Identif | ication of System | CHS | | | | | | |
| | plicable Edition o | of Section XI L | Jtilized fo | r Repairs or Repla | cements 198 | | | |
| (b) App. Identif | plicable Edition of Compone Name of | ents Repaired o | Utilized fo or Replaced National Board | r Repairs or Repla and Replacement C | Components Year | Repaired, | ASME Code Stamped (Yes | |
| (b) App. Identif | plicable Edition of Compone | of Section XI U | Utilized fo or Replaced National | r Repairs or Repla | components 198 | Repaired, | Code Stamped | |
| (b) Apple of the component | plicable Edition of Compone Name of | ents Repaired o | Utilized fo or Replaced National Board | r Repairs or Repla and Replacement C | Components Year | Repaired, | Code Stamped (Yes | |
| (b) Application (b) Applicatio | plicable Edition of ication of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Cther | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) | |
| (b) Apple of the component of the compon | plicable Edition of ication of Compone Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification N/A | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) | |
| (b) Apple of lomponent HS*RV8117 | Name of Manufacturer Lonergan | Manufacturer Serial No. 407487-16-1 | National Board No. | Other Identification N/A | Year Built 1979 | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes | |

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

FORM NIS-2 (Back) Remarks -None M 4/20/16 LURT performed CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed Tuly Ast En S.pv Date 4/20, 19 ff CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by $\frac{HSB \ I\&I}{}$ of $\frac{Hartford}{}$ have inspected the components described in this Owner's Report during the period $\frac{2}{12}/88$ to $\frac{4}{12}$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. CT 1119
Inspector's (Stignature Commissions CT 1119
National Board, State, Province, and Endorsements Date 422 19.88

| Owner | Owner Northeast Utilities Service Co. | | Date | 3/11/88 | | | |
|------------------------------------------|----------------------------------------------|---------------------------------------------|--------------------------|--------------------------------|----------------------|----------------------------------------------------------|----------------------------------------|
| | Name | | | | | | |
| P.O. B | lox 128, Waterfor | d, CT 06385 | | Sheet _ | 1 | of 2 | |
| HELL | Address | | | | | | |
| Plant | Plant Millstone Nuclear Power Station | | | Unit | Unit III | | |
| | Name | | | | | | |
| P.O. B | P.O. Box 128, Waterford, CT 06385 | | | | -08635 | | |
| | P.O. Box 128, Waterford, CT 06385 Address | | | Repa | ir Organiza | ation P.O. No., Job | No., etc. |
| Work Per | formed by Mill | stone Station | | | | | |
| | Name | | | | | | |
| P.O. 8 | Box 128, Waterfor | d, CT | | | | | |
| | Addr | | | | | | |
| 14/61 | cation of System | | | | | | |
| | | | | | | | |
| (b) App | | | | d and Replacement C | | | |
| | | | or Replaced | | | | ASME Code |
| Identifi | ication of Compor | nents Repaired o | or Replaced | d and Replacement C | Components | Repaired, | Code Stampe |
| Identifi | | | or Replaced | | | | Code Stampe (Yes |
| Identifi | ication of Compor | ments Repaired o | National Board | d and Replacement C | Components | Repaired, Replaced, | Code Stampe (Yes |
| Identifi | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) |
| Identifi | ication of Compor | ments Repaired o | National Board | d and Replacement C | Components | Repaired, Replaced, | Code Stamped |
| Identifi ame of mponent ws* | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other identification | Year Built | Repaired, Replaced, or Replacement | Co Sta (Y Or |
| Identifi ame of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No |
| Identifi ame of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other identification | Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) |
| Identifi | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other identification | Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) |
| Identificance of apponent | Name of Manufacturer | Manufacturer Serial No. H337ABC H345ABC | National Board No. | Other identification N/A N/A | Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) |
| Identificance of appoint WS* Descript | Name of Manufacturer Hancock Hancock | Manufacturer Serial No. H337ABC H345ABC | National Board No. | Other identification N/A N/A | Year Built N/A | Repaired, Replaced, or Replacement Removed Replacement | Code Stampe (Yes Or No) No |
| Identificance of mponent WS* 64 Descript | Name of Manufacturer Hancock Hancock | Manufacturer Serial No. H337ABC H345ABC | National Board No. | Other identification N/A N/A | Year Built N/A | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) No |

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| | minations of welds performed. |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | |
| | |
| | |
| | |
| | |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements | made in the report are correct and this $\frac{\text{Replacement}}{\text{Repair or replacement}}$ conforms to the |
| rules of the ASME Code, Section XI. | |
| Signed Tuly Owner or Owner's Desi | Ast Eng Sepe Date 4/20 , 19 SF |
| | CEPTIE CATE OF INSERVICE INSPECTION |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| of Hartford during the period 3/14/88 | |
| | performed examinations and taken corrective measures described in this Owner' rements of the ASME Code, Section XI. |
| | rither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the |
| | liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected | |
| | Commissions C711/9 National Board, State, Province, and Endorsements |

| P 0 B | | ervice Co. | | Date | 3/11/88 | | |
|------------------------------|--------------------------------------|------------|---------------------|-------------------------|---------------|-----------------------------|-----------------------------------|
| P 0 B | Name | | | | | | |
| 1.0.0 | ox 128, Waterford, CT | 06385 | | Sheet _ | 1 0 | f 2 | |
| | Address | | | | | | |
| Plant | Millstone Nuclear Powe | er Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.O. 8 | ox 128, Waterford, CT | 06385 | r de la co | M3-87 | -11321 | | |
| | Address | | | Repa | ir Organiza | tion P.O. No., Job | No., etc. |
| Work Per | formed by Millstone | Station | | | | | |
| | Name | | | | | | |
| P.O. 8 | Sox 128, Waterford, CT | | | | | | |
| | Address | 711-1 | | | | | |
| . Identifi | cation of System Fee | edwater | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | facturer | National Board | Other | Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| | | facturer | | Other Identification | Year Built | | Code Stamped |
| omponent | | | Board | | | Replaced, | Code Stamped (Yes |
| Name of component FWS* | | ial No. | Board | | | Replaced, | Code Stamped (Yes |
| omponent FWS* | Manufacturer Ser | ial No. | Board No. | Identification | Built | Replaced, or Replacement | Code Stamped (Yes Or No' |
| omponent FWS* | Manufacturer Ser | ial No. | Board No. | Identification | Built | Replaced, or Replacement | Code Stamped (Yes Or No |
| omponent FWS* | Manufacturer Ser | ial No. | Board No. | Identification | Built | Replaced, or Replacement | Code Stamped (Yes Or No |
| omponent FWS* | Manufacturer Ser | ial No. | Board No. | Identification | Built | Replaced, or Replacement | Code Stamped (Yes Or No' |
| omponent FWS* | Manufacturer Ser | ial No. | Board No. | Identification | Built | Replaced, or Replacement | Code Stamped (Yes Or No' |
| omponent FWS* 898 | Manufacturer Ser Anchor/Darling 2N1 | ol9 | Board No. N/A | Identification 3484-3 | Built 1977 | Replaced, or Replacement | Code Stamped (Yes Or No' |

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

FORM NIS-2 (Back)

| . Remarks inspections performed - visual inspection | , leak test at normal operating pressure and |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| liquid penetrant. | |
| | |
| | |
| 강지, 현실 시간 경험이 그 등 전쟁을 되고 있는 아이를 하지 않아야? | |
| | |
| | |
| CERTIFICA | ATE OF COMPLIANCE |
| We certify that the statements made in the report a | re correct and this Repair conforms to the Repair or replacement |
| ules of the ASME Code, Section XI. | |
| Dela - Act F | 15 Syn Date 7/20, 19 58 |
| Owner or Owner's Designer, Title | 75 7910 Date |
| | |
| the undersigned, holding a valid commission issued by | the National Board of Boiler and Pressure Vassel Inspecand employed by inspected the components described in this Owner's Report 4.2.2.77, and state that to the best of my |
| of //FATFING have | inspected the components described in this Owner's Report |
| knowledge and belief, the Owner has performed examination | ons and taken corrective measures described in this Owner' |
| Report in accordance with the requirements of the ASME (| |
| concerning the examinations and corrective measures des | nor his employer makes any warranty, expressed or implied, cribed in the Owner's Report. Furthermore, neither the r for any personal injury, property damage, or a loss of |
| 112,- Commission | CT1119 |
| Commission Inspector's Signature | National Board, State, Province, and Endorsements |
| | |
| Date 422 19 18 | |
| | |

| Owner N | Owner Northeast Utilities | | | Date | Date 1/28/88 | | | |
|------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------|----------------------------------------|------------------------------------------------|-------------------------------------------------|--|
| | Name | | | | | | | |
| P.O. Bo | 128, Waterfor | d. CT | | Sheet | Sheet 1 of 2 | | | |
| | Address Plant Millstone Nuclear Power Station Name | | | | Sheet 1 01 2 | | | |
| Plant M | | | | Unit | 111 | | | |
| | | | | | | | | |
| P 0 80 | x 128, Waterfor | d. CT | | MP-3- | 87-14379/14 | 380/14381/14382 - | installatio | |
| | Addr | | | | | ork Order Number | | |
| Work Perf | formed by C. N | Flagg & Co. | | MP3-87- | 13802-Fab./ | MP-3-87-14375/1437 | 6/14377/ | |
| MOIN PELL | Name | | | | 4 | 0 | | |
| Mandala | | | | 14378 - | tubing'1" | 1 d d (f) d | | |
| Merider | Addr | ess | | | | | | |
| | | | | | | | | |
| Identific | cation of System | Feedwater Sy | stem | | | | | |
| (b) App1 | | of Section XI U | Jtilized fo | 1971 Edition, or Repairs or Repla d and Replacement C | cements 198 | | _ Code Cas | |
| (b) App? Identific | licable Edition cation of Compon | of Section XI tents Repaired of Manufacturer | Utilized for or Replaced National Board | or Repairs or Repla d and Replacement C | cements 198 omponents Year | Repaired, Replaced, | ASME Code Stamped (Yes | |
| (b) App? Identific | licable Edition | of Section XI t | Jtilized for Replaced | or Repairs or Repla | cements 198 | Repaired, | ASME Code Stamped | |
| (b) App? Identific | Name of Manufacturer | of Section XI tents Repaired of Manufacturer | Utilized for or Replaced National Board | or Repairs or Repla d and Replacement C | cements 198 omponents Year | Repaired, Replaced, | ASME Code Stamped (Yes | |
| (b) Appli | Name of Manufacturer S&W | of Section XI to tents Repaired of Section XI to tents Repaire | National Board No. | Other | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) | |
| (b) Appli | Name of Manufacturer S&W | of Section XI to tents Repaired of Section XI to tents Repaire | National Board No. | Other | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) | |
| (b) Appli | Name of Manufacturer S&W | of Section XI to tents Repaired of Section XI to tents Repaire | National Board No. | Other | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe (Yes Or No) | |
| (b) Appli | Name of Manufacturer S&W | of Section XI to tents Repaired of Section XI to tents Repaire | National Board No. | Other | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe (Yes Or No) | |
| (b) Appli | Name of Manufacturer S&W | of Section XI to tents Repaired of Section XI to tents Repaire | National Board No. | Other | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) | |
| (b) Appillame of omponent commonent condensate Point | Name of Manufacturer or S&W | of Section XI tents Repaired of Manufacturer Serial No. | National Board No. | Other | cements 198 omponents Year Built N/A | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) | |
| Identification of component component condensate Pos | Name of Manufacturer or S&W ts | of Section XI tents Repaired of Manufacturer Serial No. | National Board No. N/A | Other Identification N/A | omponents Year Built N/A | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes | |
| (b) Appi | Name of Manufacturer or S&W ts ion of Work S! | Manufacturer Serial No. N/A team Generator | National Board No. N/A Condensate | Other Identification N/A Pot Replacement petic /_/ | omponents Year Built N/A Nominal Op | Repaired, Replaced, or Replacement Replacement | ASME Code Stampe (Yes Or No) Yes | |

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

FORM NIS-2 (Back)

| 9. Remarks PDCR MP-3-87-057, "C | Condensate Pot Replacement." The scope of this PDCR consists of: 1) Removal |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| of all condensate pots, their | supports and a portion of the tubin; root valves on all reference legs on the |
| steam generators 2) Prafabrio | cato the new condensate pot configuration and install in-place seismic analysis |
| sceam generators, 2/ Pranability | account for condensace per configuration one more than a second of the condensace per configuration one more than a second of the condensace per configuration one more than a second of the condensace per configuration on the condensace per configuration on the condensace per configuration on the condensace per configuration of the condensace per condensac |
| indicates no need for support, | , and 3) shop hydro of the spool pieces (AWO MP3-87-15117). |
| ExDCRS M-CS- | 7501/04540 |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements rules of the ASME Code, Section XI. | s made in the report are correct and this Replacement conforms to the Repair or replacement |
| Signed Tuly | Agst Fing Signee, Title Date 1/20, 19 ST- |
| | CERTIFICATE OF INSERVICE INSPECTION J commission issued by the National Board of Boiler and Pressure Vescel Inspections Compositions |
| of Hartford | Connecticut and employed by HSB [&] have inspected the components described in this Owner's Report |
| during the period 2/23/88 | have inspected the components described in this Owner's Report to 4273 , and state that to the best of my |
| | s performed examinations and taken corrective measures described in this Owner's frements of the ASME Code, Section XI. |
| concerning the examinations and con | either the Inspector nor his employer makes any warranty, expressed or implied, rrective measures described in the Owner's Report. Furthermore, neither the e liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| RIDA | Commissions C7//19 |
| Inspectop's Signature | National Board, State, Province, and Endorsements |
| Date 4 (L 1 | 988 |
| | |
| | |

| Owner | Northeast Utilit | ies Service Co. | | Date _ | 3/1/00 | | |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|------------------------------------|------------------------------------------------------------|----------------------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | | | Sheet | 1 0 | f _ 2 | |
| Plant | Milistone Nuclea | r Power Station | | Unit | m | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | d, CT 06385 | | M3-81 | 7-13857/1385 | 8/13859 | |
| | Addr | ess | | A | uthorized Wo | ork Order Number | |
| Work P | erformed by Mill | stone Station | | | | | |
| | N ame | | | | | | |
| P.O. | Box 128, Waterfor | d. CT | | | | | |
| | Addr | | | | | | |
| 1 2 2 2 2 7 | | . Walla Chara C | | Cassadas: Cida Usa: | dhalas (Clai | | |
| Identi | rication or System | main Steam C | enerator | Secondary Side Hand | distes (CL-) | | |
| | pplicable Edition | | | d and Replacement | | 3, 303 | |
| (b) A Identi | | | | d and Replacement | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) A Identi | fication of Compon | ments Repaired o | National Board | d and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) A Identi | fication of Compon | Manufacturer Serial No. | National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) A Identia | fication of Compon Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A Identi | Name of Manufacturer Westinghouse | Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A Identi | Name of Manufacturer Westinghouse | Manufacturer Serial No. NEGT 1775 | National Board No. | Other Identification Drawing Number 1106J72 | Year Built | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| (b) A Identia | Name of Manufacturer Westinghouse Westinghouse | Manufacturer Serial No. NEGT 1775 1778 | National Board No. | Other Identification Drawing Number 1106J72 | Year Built 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| (b) A Identi ame of mponent SS* 1B 1C Descri | Name of Manufacturer Westinghouse Westinghouse Westinghouse | Manufacturer Serial No. NEGT 1775 1778 1777 achine handhole | National Board No. 13583 15216 15215 | Other Identification Drawing Number 1106J72 1106J72 | Year Built | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes Yes Yes |
| (b) A Identi | Name of Manufacturer Westinghouse Westinghouse Westinghouse The state of Manufacturer Westinghouse Westinghouse Westinghouse Hydron of Work Manufacturer | Manufacturer Serial No. NEGT 1775 1778 1777 achine handhole | National Board No. 13583 15216 15215 | Other Identification Drawing Number 1106J72 1106J72 1106J72 | Year Built 1981 1981 Nominal Op | Repaired, Replaced, or Replacement Repair Repair Repair | Code Stamped (Yes Or No) Yes Yes Yes Yes |

FORM NIS-2 (Back)

| | ion. |
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| | |
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| | |
| | |
| | CERTIFICATE OF COMPLIANCE |
| | statements made in the report are correct and this Repair conforms to the Repair or replacement |
| ules of the ASME Code, S | |
| signed Tuly | Moner's Designee, Title Date 1/20 , 19 SS |
| Owner or O | wher's Designee, little |
| | CERTIFICATE OF INSERVICE INSPECTION |
| tors and the State or Pro | ing a valid commission issued by the National Board of Boile and Pressure Vessel Inspectoring of and employed by USO ICT have inspected the components described in this Owner's Report |
| tors and the State or Pro of /- /- /- /- /- /- /- /- /- /- /- /- /- | have inspected the components described in this Owner's Report to 122 88 , and state that to the best of me the requirements of the ASME Code, Section XI. |
| tors and the State or Property of Andrews of | have inspected the components described in this Owner's Report 27.78 to 22.88 , and state that to the best of me owner has performed examinations and taken corrective measures described in this Owner |
| tors and the State or Proportion of | have inspected the components described in this Owner's Report of to to the best of me owner has performed examinations and taken corrective measures described in this Owner has not the ASME Code, Section XI. tificate neither the Inspector nor his employer makes any warranty, expressed or implied ons and corrective measures described in the Owner's Report. Furthermore, neither the er shall be liable in any manner for any personal injury, property damage, or a loss of connected with this inspection. |
| tors and the State or Property of Andrews of | have inspected the components described in this Owner's Report of to the Components described in this Owner's Report of the Components of the ASME Code, Section XI. tificate neither the Inspector nor his employer makes any warranty, expressed or implied ons and corrective measures described in the Owner's Report. Furthermore, neither the er shall be liable in any manner for any personal injury, property damage, or a loss of connected with this inspection. |

| | Owner Northeast Utilities Service C | ٥. | Date _ | 3/14/88 | | |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------|
| | Name | | | | | |
| | P.O. Box 128, Waterford, CT 06385 | | Sheet | 1 | of 2 | |
| | Address | | | | | |
| | Plant Millstone Nuclear Power Stati | 00 | Un't | m - | | |
| | Name | VII. | | | | |
| | | | M2-0 | 7-13849 | | |
| | P.O. Box 128, Waterford, CT 06385 Address | | ACCORDING MATERIAL PROPERTY AND ACCORDING TO THE PARTY AND ACCORDING TO THE | A LINEAR PROPERTY OF THE PARTY | ork Order Number | |
| | 7,001,000 | | | | | |
| | Work Performed by Millstone Station | | | | | |
| | Name | | | | | |
| | P.O. Box 128, Waterford, CT | | | | | |
| | Address | | | | | |
| | | | | | | |
| ř. | Identification of Syst m Main Steam | | | | | |
| | | | | | | |
| | e of Name of Manufacturer | National | | | Repaired, | ASME Code Stamped |
| Nami Comp | | National | Other | Year Built | Repaired, Replaced, or Replacement | Code |
| Nami | e of Name of Manufacturer onent Manufacturer Serial No. | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| Nami Compo | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Nami Compo | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board | Other Identification | Year | Replaced, | Code Stamped (Yes |
| Nami Compo | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Nami Compo | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Nami Compo | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Nami | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Nami Compo | e of Name of Manufacturer onent Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number 1106J72 | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Namp Comp BMSS *SG1. | e of Name of Manufacturer onent Manufacturer Serial No. NEGT A Westingnouse 1776 | National Board No. 13584 | Other Identification Drawing Number 1106J72 | Year Built 1961 | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Namp Comp BMSS | e of Name of Manufacturer onent Manufacturer Serial No. NEGT A Westingnouse 1776 Description of Work Replacement of Tests Conducted: Hydrostatic /_/ | National Board No. 13584 | Other Identification Drawing Number 1106J72 | Year Built 1981 (24) Nominal Op | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |

MOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{7}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| 9. Remarks Inspections performed - liquid penetrant |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to to Repair or replacement cases of the ASME Code, Section XI. |
| Signed Tuly Aut Ery Supu Date 7/20, 19 55 Owner of Owner's Designee, Title |
| CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspetors and the State or Province of and employed by |
| of Hon 15.2d have inspected the components described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implie concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| R-D2 Commissions C7/1/9 Inspector's Signature National Board, State, Province, and Endorsements |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 122 422 19 18 |
| |

| Owner Northeast Uti | lities Service Co. | | Date | 3/7/87 | | |
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| N | ame | | | | | |
| P.O. Box 128, Water | ford, CT 06385 | enskikan | Sheet _ | 1 01 | 2 | |
| A | ddruss | | | | | |
| Plant Millstone Nuc | lear Power Station | | Unit | 111 | | |
| STATE OF THE PARTY | ame | Lery. | | | | 4 |
| P.O. Box 128, Water | ford, CT 06385 | | M3-87 | -16645 | | |
| | ddress | | NAME AND ADDRESS OF THE PARTY O | THE RESERVE OF THE PERSON NAMED IN | ork Order Number | |
| Work Performed by M | Milstone Station | | | | | |
| | lame | | | | | |
| D 0 Day 100 Water | f CT | | | | | |
| P.O. Box 128, Water | Address | | | | | |
| Identification of Sys | | | | | | |
| Identification of Sys | stem Main Steam | | | | | |
| | | | or Repairs or Repla d and Replacement C | | The second second | |
| | | | | | 3, 303 | ASME |
| | | or Replace | | | | Code |
| Identification of Con | mponents Repaired | or Replace | d and Replacement C | ompohents | · Repaired, | Code Stamped |
| Identification of Com | Manufacturer | or Replace | | | | 100000000 |
| Identification of Com ame of Name of mponent Manufacture | Manufacturer er Serial No. | National Board | Other | omponents | Repaired, | Code Stamped (Yes |
| Identification of Com ame of Name of mponent Manufacture | Manufacturer | National Board | d and Replacement C | omponents | Repaired, | Code Stamped (Yes |
| Identification of Con | Manufacturer er Serial No. | National Board | Other | omponents | Repaired, | Code Stampe (Yes |
| Identification of Com | Manufacturer er Serial No. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Com ame of Name of mponent Manufacture | Manufacturer er Serial No. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Com ame of Name of mponent Manufacture | Manufacturer er Serial No. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Com ame of Name of mponent Manufacture | Manufacturer er Serial No. | National Board No. | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Communication of Communication of Name of Manufacture S* 1A Westinghou | Manufacturer er Serial No. NEGT | National Board No. | Other Identification Drawing Number 1106372 | Year Built | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) |
| Identification of Containing of Name of Manufacture S* IA Westinghou | Manufacturer er Serial No. NEGT se 1776 | National Board No. | Other Identification Drawing Number 1106372 | Year Built 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) |
| Identification of Con Name of Name of Imponent Manufacture | Manufacturer er Serial No. NEGT se 1776 | National Board No. | Other Identification Drawing Number 1106372 | Year Built 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| • | FC | ORM NIS-2 (Back) |
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| 9. Remarks Thre | eads galled during removal for sluc | ige lancing. |
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| | and a relation of the half- | |
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| | CERTIF | FICATE OF COMPLIANCE |
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| We certify the | at the statements made in the repor | rt are correct and this Repair conforms to the Repair or replacement |
| rules of the ASME | Code, Section XI. | |
| | A CE | C who is fe |
| Signed | er og Owner's Designee, Title | 5 Sept Date 4/20, 19 88 |
| Out. | or o comment of bearing the comment of the comment | |
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| | CERTIFICATI | E OF INSERVICE INSPECTION |
| | | |
| | | d by the National Board of Boiler and Pressure Vessel Inspec- and employed by HSB 1&1 |
| | | |
| | 3/11/88 to | 9-22.18, and state that to the best of my |
| | | ations and taken corrective measures described in this Owner's |
| Report in accordan | ice with the requirements of the ASI | Mt Code, Section XI. |
| By signing th | is certificate neither the Inspect | or nor his employer makes any warranty, expressed or implied, |
| | | described in the Owner's Report. Furthermore, neither the |
| | | nner for any personal injury, property damage, or a loss of |
| | rom or connected with this inspect | 100. |
| | I fame commiss | ions |
| Inspecto | or's Signature | National Board, State, Province, and Endursements |
| n 4 | 122 1988 | |
| Date | 19_61 | |

| . Ow | ner Northeast Utilit | ies Service Co. | | Date _ | 3/8/87 | | |
|------------------------------|------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------|-----------------------------------|
| | Name | | | | | | |
| | P.O. Box 28, Waterford | . CT 06385 | | Sheet | 1 (| of 2 | |
| - | Addr | | | | | | |
| . P1 | ant Millstone Nuclea | r Power Station | , | Unit | 111 | | |
| | Name | | | | | | |
| | P.O. Box 128, Waterfor | d. CI 06385 | | M3-8 | 7-16266 | | |
| _ | Addr | | | ACCUPATION SERVICE STATE OF THE PARTY OF THE | | ork Order Number | |
| . Wo | ork Performed by Mill | stone Station | | | | | |
| . " | Name | | | | | | |
| | | | | | | | |
| Teach Control | P.O. Box 128, Waterfor | - | | | | | |
| | nga. | | | | | | |
|) (8 |) Applicable Edition | of Section XI (| Ut'lized fo | or Repairs or Repl | acements 19 | 83, S83 | |
| Name o | dentification of Compon | | | | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes |
| Name of Compone | dentification of Compon | ents Repaired of | National Board | d and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name Compone | dentification of Compon | Manufacturer Serial No. | National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name Compone | dentification of Compon of Name of ent Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Buil | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Compone | dentification of Compon of Name of ent Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Buil | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Compone | dentification of Compon of Name of ent Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Buil | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Compone | dentification of Compon of Name of ent Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Buil | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Componer MSS* | dentification of Compon of Name of ent Manufacturer | Manufacturer Serial No. NEGT | National Board No. | Other Identification Drawing Number 1106J72 | Year Buil 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) |
| Name of Componers SMSS* | dentification of Component of Name of Manufacturer Westinghouse | Manufacturer Serial No. NEGT 1777 | National Board No. | Other Identification Drawing Number 1106J72 | Year Buil 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) |
| Name of Componers BMSS* SG1D | ests Conducted: Hydr | Manufacturer Serial No. NEGT 1777 | National Board No. | Other Identification Drawing Number 1106J72 | Year Buil 1981 Nominal Op | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |

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

FORM NIS-2 (Back)

| CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressors and the State or Province of Connecticut and employed by HSB 1&1 have inspected the components described in furing the period 3/11/88 to 4/22 91, and state that moveledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expendencing the examinations and corrective measures described in the Owner's Report. Furtherm inspector nor his employer shall be liable in any manner for any personal injury, property dames and property dames are property dames and property dames and property dames are property dames and property dames and property dames are property dames and property dames and property dames are property dames are property dames and property dames are property dames are property dames and property dames are property dames and property dames are property dames and property dames are property dames are property dames and property dames are property d | |
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| We certify that the statements made in the report are correct and this Repair Repair or replacem We set the ASME Code, Section XI. Igned CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressors and the State or Province of Connecticut and employed by HSB I&I flattford have inspected the components described in uring the period 3/11/88 to 4/22 flatter and state that nowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, exponenting the examinations and corrective measures described in the Owner's Report. Furtherm inspector nor his employer shall be liable in any manner for any personal injury, property daming kind arising from or connected with this inspection. | |
| We certify that the statements made in the report are correct and this Repair Repair or replacem We set the ASME Code, Section XI. Date 1/20 CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressors and the State or Province of Connecticut and employed by HSB I&I have inspected the components described in the unique that the components described in the linewledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expenses on the seminations and corrective measures described in the Owner's Report. Furtherm inspector nor his employer shall be liable in any manner for any personal injury, property daming kind arising from or connected with this inspection. | |
| We certify that the statements made in the report are correct and this Repair Repair or replacem Repair or replacem Repair or replacem Repair or replacem Ask Frz Sylv Date 1/20 Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressors and the State or Province of Connecticut and employed by HSB 181 The Hartford have inspected the components described in the owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expendenting the examinations and corrective measures described in the Owner's Report. Furtherm inspector nor his employer shall be liable in any manner for any personal injury, property daments any kind arising from or connected with this inspection. | |
| Repair or replacements of the ASME Code, Section XI. CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressures and the State or Province of Connecticut and employed by HSB I&I have inspected the components described in the uning the period 3/11/88 to 4/22 9/2, and state the knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expensed in the examinations and corrective measures described in the Owner's Report. Furtherm inspector nor his employer shall be liable in any manner for any personal injury, property daments any kind arising from or connected with this inspection. | |
| CERTIFICATE OF INSERVICE INSPECTION And employed by HSB 1&1 And employed by HSB 1&1 And employed by HSB 1&1 And inspected the components described in the ownerhas performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expendence in the examinations and corrective measures described in the Owner's Report. Furtherm inspector nor his employer shall be liable in any manner for any personal injury, property daments and variating from or connected with this inspection. | |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressors and the State or Province of Connecticut and employed by HSB & of Hartford have inspected the components described in during the period 3/11/88 to 4/22 9/2 , and state that knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expensed in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Presstors and the State or Province of Connecticut and employed by HSB & of Hartford have inspected the components described in during the period 3/11/88 to 4/22 9/2 , and state that knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expendence in the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | , 19 SF |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressons and the State or Province of Connecticut and employed by HSB I&I of Hartford have inspected the components described in during the period 3/11/88 to 4/22 9 , and state that knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, exconcerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressons and the State or Province of Connecticut and employed by HSB I&I of Hartford have inspected the components described in during the period 3/11/88 to 4/22 91, and state that knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expendence in the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damage any kind arising from or connected with this inspection. | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressons and the State or Province of Connecticut and employed by HSB I&I of Hartford have inspected the components described in during the period 3/11/88 to 4/22 9 , and state that knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, exconcerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | |
| concerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property dam any kind arising from or connected with this inspection. | |
| 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, exconcerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | sure Vessel Inspec- |
| 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, exconcerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | this Owner's Report |
| 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, exconcerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property damany kind arising from or connected with this inspection. | to the best of my |
| concerning the examinations and corrective measures described in the Owner's Report. Furtherm Inspector nor his employer shall be liable in any manner for any personal injury, property dam any kind arising from or connected with this inspection. | bed in this Own r |
| Rolling Commissions CT 1119 | ore, neither the |
| Comm1221002 | |
| Inspector's Signature National Board, State, Province, a | |
| Date | no Endorsements |

| 1. Owner _ | Northeast Utili Nam | | | Date _ | 3/9/88 | | |
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| P.O. | Box 128, Waterfo | rd, CT 06385 ress | | Sheet | 1 | of <u>2</u> | |
| Plant _ | Millstone Nucle Nam | The state of the s | n | Unit _ | 111 | | |
| P.O. | Box 128, Waterfo | rd, CT 06385 | William. | M3 - 8 | 6-03675 | | |
| | Add | ress | | A | uthorized W | ork Order Number | |
| 3. Work Pe | erformed by Mil Nam | | | | | | |
| P.O. | Box 128, Waterfo | rd, CT | | | | | |
| | Add | ress | | | | | |
| . Identif | fication of Syste | m Main Steam | | | | | |
| | oplicable Constru | | | or Repairs or Repla | | | Code Case |
| (b) Ap | oplicable Edition | of Section XI | Utilized fo | | acements 19 | | |
| (b) Ap | oplicable Edition | of Section XI | Utilized fo | or Repairs or Repla | acements 19 | | ASME Code |
| (b) Ap | oplicable Edition | of Section XI | Utilized for Replaced National | or Repairs or Repla d and Replacement (| acements 19 Components | Repaired, | ASME |
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| Name of Component SMSS* TV27D | Name of Manufacturer Sulzer | of Section XI nents Repaired Manufacturer Serial No. 5425 | National Board No. | Other Identification N/A | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |

MoTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| | FORM NIS-2 (Back) |
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| Remarks Inspections performed - | liquid penetrant and in-service leak test. |
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements made | de in the report are correct and this Repair conforms to the |
| rules of the ASME Code, Section XI. | |
| come on la | Azet En 5-pv Date 4/20, 19 88 |
| Owner or Owner's Designe | ee, Title |
| | |
| | |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid con | mmission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| | ecticut and employed by HSB [&] |
| of Hartford | have inspected the components described in this Owner's Report to $9-12-8$, and state that to the best of my |
| during the period 3/11/88 knowledge and belief, the Owner has pe | rformed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirem | |
| | er the Inspector nor his employer makes any warranty, expressed or implied, |
| | tive measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be li- any kind arising from or connected wit | able in any manner for any personal injury, property damage, or a loss of |
| | |
| 12 gm | Commissions C7/1/5 |
| Inspector's Signature | National Board, State, Province, and Endorsements |
| Date 4 2 19 / | 88 |
| | |

| . Owne | er Northeast Utiliti | es Service Co. | | Date_ | 3/9/88 | | |
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| | Name | | 1 1 | | | | |
| Ρ. | .O. Box 128, Waterford | . CT 06385 | | Sheet | 1 0 | of 2 | |
| | Addre | *************************************** | | | | | |
| Plan | nt Millstone Nuclear | Power Station | | Unit | 101 | | |
| | Name | | | | | | |
| p | .O. Box 128, Waterford | CT 06385 | | M3+8 | 86-03675 | | |
| | Addre | | | | | rk Order Number | |
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| . Work | k Performed by Mills Name | tone Station | | _ | | | |
| | Manie | | | | | | |
| _ Р. | .O. Box 128, Waterford | THE REAL PROPERTY AND ADDRESS OF THE PARTY O | | | | | |
| | Addre | 15.5 | | | | | |
| . Ider | ntification of System | Main Steam | | | | | |
| | Applicable Edition of ntification of Compone | | | | | , , , , , , , , , , , , , , , , , , , , | |
| . Ider | ntification of Compone | | | | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| | ntification of Compone | ents Repaired o | National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of omponent | ntification of Compone | ents Repaired o | National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| . Ider Name of omponent MSS* TV27D | Name of t Manufacturer Sulzer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| . Ider Name of omponent MSS* TV27D | Name of t Manufacturer Sulzer cription of Work Reg | Manufacturer Serial No. 5425 | National Board No. | Other Identification N/A k bolting | Year Built 1981 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

FORM NIS-2 (Back) Remarks None CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed Tuly Azst Erg Sept Date 1/20 , 19 88 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 9.22.15, and state that to the best of my* during the period 3/11/88 knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions / 1/19
Inspector Signature National Board, State, Province, and Endorsements Date 762 1981

| . Owner | Northeast Utiliti | es Service Co. | | Date | 3/9/88 | | |
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| | Name | | | | | pot training | |
| P.O. | Box 128, Waterford | , CT 06385 | | Sheet | 1 0 | of 2 | |
| | Addre | A STATE OF THE PARTY OF THE PAR | | | | | |
| . Plant _ | Millstone Nuclear | Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterford | , CT 06385 | | M3-87 | -04611 | | |
| | Addre | \$\$ | | Au | thorized Wo | ork Order Number | |
| . Work Pe | rformed byMills | tone Station | | | | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterford | , ст | | | | | |
| | Addre | 5.5 | | 777 | | | |
| . Identif | ication of System | Main Steam | | | | | |
| (b) Ap | oplicable Construct oplicable Edition of | of Section XI L | Itilized fo | r Repairs or Repla | cements 198 | | |
| (b) Ap | policable Edition of Compone | of Section X1 Lants Repaired o | Partial States of the States o | r Repairs or Repla and Replacement C | Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Ap | policable Edition of Compone | of Section X1 L | Utilized for Replaced | r Repairs or Repla | cements 198 | Repaired, | Code Stamped |
| (b) Ap . Identif . Name of . omponent . MSS* | Policable Edition of Compone Name of Manufacturer | Manufacturer Serial No. | National Board No. | r Repairs or Repla and Replacement C Other Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Ap . Identif Name of omponent MSS* | policable Edition of Compone | of Section X1 Lants Repaired o | Partial States of the States o | r Repairs or Repla and Replacement C | Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Ap . Identif Name of omponent MSS* | Policable Edition of Compone Name of Manufacturer | Manufacturer Serial No. | National Board No. | r Repairs or Repla and Replacement C Other Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
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| (b) Ap . Identif Name of omponent MSS* | Policable Edition of Compone Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of omponent MSS* OV31D | Name of Manufacturer Fisher | Manufacturer Serial No. | National Board No. | Other Identification N/A | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Ap Identify Name of component MSS* AOV31D | Name of Manufacturer Fisher | Manufacturer Serial No. | National Board No. | Other Identification N/A | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |

MOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

| | CERTIFICATE OF COMPLIANCE | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| We certify that the statement | s made in the report are correct and this Repair conforms Repair or replacement | to the |
| | Ast En Squ Date 4/20, 19 | £\$ |
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| | ARREST AND ARREST AND ARREST ARE ARREST AND ARREST ARREST AREA. | |
| | CERTIFICATE OF INSERVICE INSPECTION Id commission issued by the National Board of Boiler and Pressure Vessel I Connecticut and employed by HSB I&! | nspec- |
| tors and the State or Province of of Hartford 3/11/88 knowledge and belief, the Owner ha | | Report of my |
| tors and the State or Province of Hartford during the period 3/11/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and colonspector nor his employer shall be any kind arising from or connected | Id commission issued by the National Board of Boiler and Pressure Vessel I Connecticut and employed by HSB 1&! have inspected the components described in this Owner's to 4.2.7%, and state that to the best as performed examinations and taken corrective measures described in this uirements of the ASME Code, Section XI. The ineither the Inspector nor his employer makes any warranty, expressed or in corrective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a load with this inspection. | Report: of my Owner' oplied, the .s of |
| tors and the State or Province of Hartford during the period 3/11/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and colonspector nor his employer shall be any kind arising from or connected | Id commission issued by the National Board of Boiler and Pressure Vessel I Connecticut and employed by HSB 1&! have inspected the components described in this Owner's to 4 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | Report: of my Owner' oplied, the .s of |

| . Owner | Northeast Utilities Service Co. | Date 3/8/88 |
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| | Name | |
| | Day 120 Water-Sand Of 00205 | Charles I. Company of the Company of |
| P. 0 | . Box 128, Waterford, CT 06385 Address | Sheet 1 of 3 |
| | Aggregs | |
| Plant | Millstone Nuclear Power Station | Unit III |
| | Name | |
| | | |
| P.0 | . Box 128, Waterford, CT 06385 | See Attached Sheet |
| | Address | Authorized Work Order Number |
| Work | Performed by Millstone Station | |
| | Name | |
| | | |
| P.0 | . Box 128, Waterford, CT | |
| | Address | |
| . Ident | ification of System Main steam | |
| | | |
| | | placed and Replacement Components |
| | Applicable Edition of Section XI Utili: | placed and Replacement Components ASME |
| | ification of Components Repaired or Re | placed and Replacement Components ASME Code |
| Ident | ification of Components Repaired or Report Nat | placed and Replacement Components ASME Code ional Repaired, Stamped |
| Ident | ification of Components Repaired or Rep Nat Name of Manufacturer Bo | placed and Replacement Components ASME Code ional Repaired, Stamped ard Other Year Replaced, (Yes |
| Ident | ification of Components Repaired or Rep Nat Name of Manufacturer Bo Manufacturer Serial No. No | placed and Replacement Components ASME Code ional Repaired, Stamped ard Other Year Replaced, (Yes o. Identification Built or Replacement Or No) |
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| ldent | ification of Components Repaired or Rep Nat Name of Manufacturer Bo Manufacturer Serial No. No | ASME Code ional ard Other Year Replaced, (Yes o. Identification Built or Replacement Or No) t |
| Ident Name of | Nate of Manufacturer Boomanufacturer Serial No. No. See Attached Sheet iption of Work Replacement of valves. | ASME Code ional Repaired, Stamped ard Other Year Replaced, (Yes o. Identification Built or Replacement Or No) t |
| ldent | Nate Name of Manufacturer Box Manufacturer Serial No. No See Attached Sheet iption of Work Replacement of valves Conducted: Hydrostatic / / Pr | ASME Code ional ard Other Year Replaced, (Yes o. Identification Built or Replacement Or No) t as identified neumatic /_/ Nominal Operating Pressure /X / |
| Name of omponent | Nate Name of Manufacturer Box Manufacturer Serial No. No See Attached Sheet iption of Work Replacement of valves Conducted: Hydrostatic / / Pr | ASME Code ional ard Other Year Replaced, (Yes o. Identification Built or Replacement Or No) t |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

Attachment

SAFETIES REMOVED

| Designation | Mfr. | Serial # | Dwg # | AWO Number |
|-------------|---------|-------------|------------|-------------|
| MSS*RV253 | Dresser | B500304 | 3707RAX | M3-87-16950 |
| M\$S*RV26B | Dresser | B500308 | 3707RAX | M3-87-16947 |
| MSS*RV24B | Dresser | B500300 | 3707RAX | M3-87-16946 |
| MSS*RV24A | Dresser | 8500299*★ | 3707RAX | M3-87-16944 |
| MSS*RV23A | Dresser | 8500295★ ► | 3707RAX | M3-87-16943 |
| | | | | |
| | | SAFETIES RE | EINSTALLED | |
| MSS*RV258 | Dresser | BR06749 | 3NC1013 | M3-87-16950 |
| MSS*RV268 | Dresser | BR06741 | 3NC1013 | M3-87-16947 |
| MSS*RV248 | Dresser | BR06746 | 3NC1013 | M3-87-16946 |
| RV24A | Dresser | BR00294 | 3707RAX | M3-87-16944 |
| MSS*RV23A | Dresser | B500299** | 3707RAX | M3-87-16943 |

^{**}Upon removal of valves 8500299 and 8500295, they were sent to Crosby; repaired (PO 910932) and returned. B500295 was stored as a spare. B500299 has been reinstalled into MSS*RV23A.

Date 4.2.2. 19 88

| FORM NIS-2 (Back) | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 9. Remarks In-Service Leak 19st | |
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| | |
| CERTIFICATE OF COMPLIANCE | |
| | |
| We certify that the statements made in the report are correct and this Replacement conforms to Repair or replacement | the |
| rules of the ASME Code, Section XI. | |
| | 2 |
| Signed Tuly Ast Eng Spu Date 4/20, 19 d. Owner of Owner's Designee, Title | 5 |
| | |
| | |
| | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Insp | 00. |
| tors and the State or Province of C_1 and employed by A/R $Z-Z$ of A/R $Z-Z$ have inspected the components described in this Owner's Rep during the period $3/1-88$ to $4-22-88$, and state that to the best of | 00 |
| of have inspected the components described in this Owner's Rep | ort |
| ruring the period 3//-87 to 9/22/11 , and state that to the best of | my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own Report in accordance with the requirements of the ASME Code, Section XI. | er's |
| negot the accordance at the requirements of the ASME Cade, Section Al. | |
| By signing this certificate neither the inspector nor his employer makes any warranty, expressed or impli | ed. |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the | |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of | f |
| any kind arising from or connected with this inspection. | |
| Commissions CT/11/9 | |
| Inspector's Signature National Board, State, Province, and Endorsements | - |

| 1. Owner _ | | | | Date | Date 1/25/88 | | |
|--------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------|
| | Nami | • | | | | | |
| P.O. | Box 128, Waterfo | rd. CT | | Sheet | 1 | of 3 | |
| | | ress | | | | | |
| 2. Plant | Millstone Nucle | ar Downe Statio | | lleite | 111 | | |
| - Flanc | Name | | n | Unit _ | | | |
| | | | | | | | |
| P.O. | Box 128, Waterfor | | | Annual Company | | -00868/M3-87-0869/M3 | 8-87-01206 |
| | Add | ress | | Au | thorized W | ork Order Number | |
| . Work Pe | rformed by C. ! | N. Flagg & Co. | | M3-87-0 | 2417/M3-87 | -02675/M3-87-02001/N | 13-87-03046 |
| | Name | and the same of th | | | | | |
| Wanta | | | | M3-87-0 | 2696 | | |
| Merio | en, CT | ress | | - | | | |
| | | | | | | | |
| . Identif | ication of System | n Nitrogen is | olation Val | ves to Main Steam | and Steam (| Gen. blowdown | |
| | plicable Edition | | | r Repairs or Repla | | | |
| . Identif | plicable Edition | of Section XI | or Replaced | and Replacement C | Components | Repaired, | |
| | plicable Edition | of Section XI | or Replaced | | | 33, 583 | Code |
| . Identif | plicable Edition ication of Components | of Section XI I | or Replaced National Board | and Replacement C | Components | Repaired, Replaced, | Code Stamped (Yes |
| . Identif | plicable Edition ication of Compos Name of Manufacturer | of Section XI I | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | plicable Edition ication of Compos Name of Manufacturer Dresser | Manufacturer Serial No. | National Board No. | Other Identification 3NC029 | Year Built 1982 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent DL*V951 DG*V952 | plicable Edition ication of Compos Name of Manufacturer Dresser Dresser | Manufacturer Serial No. H721 ABB | National Board No. N/A | Other Identification 3NC029 | Year Built 1982 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent DC*V951 DC*V952 DC*V953 | plicable Edition ication of Compos Name of Manufacturer Dresser Dresser | Manufacturer Serial No. H721 ABB H723 ABB | National Board No. N/A N/A | Other Identification 3NC029 3NC029 | Year Built 1982 1982 | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or Nc) Yes Yes |
| Name of component DC*V951 | Plicable Edition ication of Compos Name of Manufacturer Dresser Dresser Dresser | Manufacturer Serial No. H721 ABB H724 ABB H736 ABB | National Board No. N/A N/A | Other Identification 3NC029 3NC029 3NC029 | Year Built 1982 1982 1982 | Repaired, Replaced, or Replacement Replacement Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes |
| Name of omponent DC*V951 DG*V952 DG*V953 DC*V954 | Plicable Edition ication of Compos Name of Manufacturer Dresser Dresser Dresser Dresser | Manufacturer Serial No. H721 ABB H723 ABB H724 ABB H736 ABB | National Board No. N/A N/A N/A | Other Identification 3NC029 3NC029 3NC029 3NC029 | Year Built 1982 1982 1982 1982 | Repaired, Replaced, or Replacement Replacement Replacement Replacement Replacement Replacement | Code Stamped (Yes Or Nc) Yes Yes Yes Yes |

| 0 | Description of Wor | k PDCR MP3-86 | -043 and E&D | CR N-ME-03552 | , title "Main Si | team and Steam Cenera | tor Blowdown |
|----|--------------------|------------------|--------------|---------------|------------------|-----------------------|--------------|
| | System Nitrogen Is | olation Valves I | Removal/Reor | lentation | | | |
| 8. | Tests Conducted: | Hydrostatic | / Pne | umatic /_ | _/ Nomina | Operating Pressure | 131 |
| | | Other / | _/ Pre | ssure | psi | Test Temp. | o F |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 85 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

| All existing lines were capped | |
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| installation of identical valv | es with flow opposite to those removed. |
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| | |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements | made in the report are correct and this $\frac{\text{Replacement}}{\text{Repair or replacement}}$ conforms to the |
| rules of the ASME Code, Section XI. | |
| Signed Tuly Owner's Des | that Eng Sylv Date 7/20, 19 88 |
| Owner or Owner's Des | ignee, Title |
| a | CERTIFICATE OF INSERVICE INSPECTION |
| tors and the State or Province of (| commission issued by the National Board of Boiler and Pressure Vessel inspec- |
| tors and the State or Province of (| commission issued by the National Board of Boiler and Pressure Vessel inspec- |
| tors and the State or Province of of Hartford during the period 2/20/88 knowledge and belief, the Owner has | commission issued by the National Board of Boiler and Pressure Vessel inspections and employed by HSB I&I have inspected the components described in this Owner's Report to \(\frac{1}{2} \) \ |
| tors and the State or Province of of Hartford during the period 2/20/88 knowledge and belief, the Owner has Report in accordance with the requi | commission issued by the National Board of Boiler and Pressure Vessel Inspectionnecticut and employed by HSB I&I have inspected the components described in this Owner's Report to 22.8 f , and state that to the best of my performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. |
| tors and the State or Province of of Hartford during the period 2/20/88 knowledge and belief, the Owner has Report in accordance with the requirement of the state of the concerning the examinations and content of the concerning the concerning the content of the concerning the concern | commission issued by the National Board of Boiler and Pressure Vessel inspectonnecticut and employed by HSB [&] have inspected the components described in this Owner's Report to |
| tors and the State or Province of of Hartford during the period 2/20/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and concerning the | commission issued by the National Board of Boiler and Pressure Vestel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 1/2/3/F, and state that to the best of my performed examinations and taken corrective measures described in this Owner' rements of the ASME Code, Section XI. Wither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| tors and the State or Province of Good Hartford during the period 2/20/88 knowledge and belief, the Owner has Report in accordance with the requi By signing this certificate ne concerning the examinations and continuous co | commission issued by the National Board of Boiler and Pressure Vessel Inspectionnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 12.8 have an and taken corrective measures described in this Owner's rements of the ASME Code, Section X1. wither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. Commissions 77/1/9 |
| tors and the State or Province of of Hartford during the period 2/20/88 knowledge and belief, the Owner has Report in accordance with the requi | commission issued by the National Board of Boiler and Pressure Vessel Inspectionnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 127 % , and state that to the best of my performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section X1. Wither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. Commissions C7///G National Board, State, Province, and Endorsements |

| . Owner | Northeast Utiliti | les Service Co. | | Date | 3/14/88 | | |
|-------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|-------------------------------|---------------------------------------------|------------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterford | d, CT 06385 | | Sheet | 1 0 | f 2 | |
| | Addre | manufacture and a second secon | | | | | |
| Plant | Millstone Nuclear | r Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.0. | . Box 128, Waterford | d. CT 06385 | | M3- | 87-15294 | | |
| | Addre | | | | Authorized Wo | ork Order Number | |
| Work F | Performed byMills | stone Station | | | | | |
| | Name | 300110 30301011 | | _ | | | |
| | | - 07 | | | | | |
| P.0. | . Box 128, Waterford Addre | | | | | | |
| | 70011 | 030 | | | | | |
| . Ident | ification of System | Auxiliary F | eedwater | | | | |
| | irisecton or compen | encs neparred | or vebiacea | and Replacement | Components | | |
| | Trice ton or compone | enca neparred | or Repraced | and Replacement | Components | | ASME |
| | Treation of Components | ents neperred | | and Replacement | Components | Repaired. | Code |
| Name of | | | National | | | Repaired, | Code Stamped |
| | Name of Manufacturer | Manufacturer Serial No. | | Other | Year Built | Repaired, Replaced, or Replacement | |
| omponent | Name of | Manufacturer | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| omponent FWA* | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| omponent FWA* | Name of | Manufacturer | National Board | Other | Year | Replaced, | Code Stamped (Yes |
| FWA* | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| FWA* | Name of Manufacturer Target Rock | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement Removed | Code Stamped (Yts Or No) |
| FWA* | Name of Manufacturer Target Rock | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement Removed | Code Stamped (Yes Or No) |
| FWA* | Name of Manufacturer Target Rock | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement Removed | Code Stamped (Yes Or No) |
| omponent FWA* V31C V31C | Name of Manufacturer Target Rock Target Rock | Manufacturer Serial No. | National Board No. N/A | Other Identification | Year Built | Replaced, or Replacement Removed | Code Stamped (Yts Or No) |
| omponent FWA* V31C V31C | Name of Manufacturer Target Rock Target Rock | Manufacturer Serial No. 3 13 | National Board No. N/A N/A | Other Identification 1173140 1173140 | Year Built 1981 | Replaced, or Replacement Removed Replaced | Code Stamper (Yes Or No) Yes |
| omponent FWA* V31C V31C | Name of Manufacturer Target Rock Target Rock | Manufacturer Serial No. 3 13 | National Board No. N/A N/A | Other Identification 1173140 1173140 | Year Built 1981 | Replaced, or Replacement Removed Replaced | Code Stamper (Yes Or No) Yes |
| | Name of Manufacturer Target Rock Target Rock iption of Work Re Conducted: Hydr | Manufacturer Serial No. 3 13 | National Board No. N/A N/A | Other Identification 1173140 1173140 | Year Built 1981 1981 | Replaced, or Replacement Removed Replaced | Code Stamper (Yes Or No) Yes Yes |

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

FORM NIS-2 (Back)

9. Remarks Inspections performed - liquid penetrant, visual and hydro

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement Repair or replacement rules of the ASME Code, Section XI.

Signed The ASME Code, Section XI.

Signed The Company's Designee, Title

Date 1/20 , 19 .ff

CERTIFICATE OF INSERVICE INSPECTION

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

Report in accordance with the reclirements of the ASME Code, Section XI.

| RDIN | Commissions | CTI | 119 | | |
|-----------------------|-------------|------------|---------------|-----------|------------------|
| Inspector's Signature | | Nationa' 3 | Board, State, | Province, | and Enjorsements |
| Date 4.22 19 88 | | | | | |

| P.O. Box 128, Waterford, CT 06385 | Sheet | | | | |
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| | Sheet | | | | |
| | | 1 | of 2 | | |
| V001.422 | | | | | |
| Plant Millstone Nuclear Power Station | Unit | Unit III | | | |
| Name | | | | | |
| P.O. Box 128, Waterford, CT 06385 | W3-85 | 3-00934 | | | |
| Address | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 | - | ork Order Number | | |
| | | | | | |
| Work Performed by Millstone Station Name | | | | | |
| | | | | | |
| P.O. Box 128, Waterford, CT | | | | | |
| Address | | | | | |
| | Other dentification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) | |
| 0 | rawing Number | | | | |
| 8875B Target Rock 24 244 | 79AB-004 | 1980 | Removed | Yes | |
| 8875B Target Rock 116 692 | 79AB-004 | 1986 | Replacement | Yes | |
| | | | | | |
| | | _ | | | |
| | | | | | |
| Description of Work Valve Replacement | | | | | |
| THE RESERVE OF THE PARTY OF THE | THE RESERVE AND ADDRESS OF THE PARTY OF THE | | - | | |
| | | | | | |
| Tests Conducted: Hydrostatic /_/ Pneumatic | 1,/ | Nominal Op | erating Pressure / | x_/ | |

MolE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

FORM NIS+2 (Back) Remarks Inspections performed - liquid penetrant and visual inspection. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed Tule Ast Eng Syv Date 4/20, 19 SF CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CT and employed by $\frac{1150}{150}$ $\frac{1}{150}$ of $\frac{1}{150}$ $\frac{1}{150}$ have inspected the components described in this Owner's Report during the period $\frac{1}{3}$. And state that to the best of my knowledge and belief, the Owner has performed exami. Itions and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Inspector's Signature Commissions CT//S National Board, State, Province, and Endorsements Date 422 19 88

| Owner | Northeast Utilitie | s Service Co. | | Date | 9/12/87 | | |
|--------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------|------------------------------|-------------------------------------------------|-------------------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterford, | CT 06385 | | Sheet _ | 1 (| of 2 | |
| | Addres | 1.5 | | | | | |
| Plant | Millstone Nuclear | Power Station | | Unit_ | 111 | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterford, | CT 06385 | | M3-86- | 18498 | | |
| | Addres | Contract of the Contract of th | | Au | thorized Wo | ork Order Number | |
| Work Pe | rformed by Millst | one Station | | | | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterford, | CT | | | | | |
| | Addres | | | | | | |
| Identif | ication of System | oue /exidia- | | Disab to Deside at t | last Cushan | La color | |
| | plicable Edition of ication of Componer | f Section XI U | tilized fo | | cements 19 | | |
| | plicable Edition of | f Section XI U | tilized fo | or Repairs or Repla | cements 19 | | ASME |
| | plicable Edition of | f Section XI U | tilized for Replace | or Repairs or Repla | cements 19 | 83, 583 | ASME Code |
| Identif | plicable Edition of ication of Componer | f Section XI U | tilized fo | or Repairs or Repla | cements 19 | Repaired, | ASME Code Scamped |
| Identif | plicable Edition of ication of Componer Name of | f Section XI U | r Replace | or Repairs or Repla | Components | 83, 583 | ASME Code |
| Identif | plicable Edition of ication of Componer Name of Manufacturer | f Section XI U nts Repaired o | r Replace National Board | or Repairs or Repla d and Replacement C | Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| Identif | plicable Edition of ication of Componer Name of Manufacturer | f Section XI U nts Repaired o Manufacturer Serial No. | Replace National Board No. | Or Repairs or Repland and Replacement Control of the Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Identif | plicable Edition of ication of Componer Name of Manufacturer | f Section XI U nts Repaired o | r Replace National Board | or Repairs or Repla d and Replacement C | Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| | plicable Edition of ication of Componer Name of Manufacturer | f Section XI U nts Repaired o Manufacturer Serial No. | Replace National Board No. | Or Repairs or Repland and Replacement Control of the Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer ADROIT | f Section XI U nts Repaired o Manufacturer Serial No. | Replace National Board No. | Or Repairs or Repland and Replacement Control of the Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer ADROIT | f Section XI U nts Repaired o Manufacturer Serial No. | Replace National Board No. | Or Repairs or Repland and Replacement Control of the Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer ADROIT | f Section XI U nts Repaired o Manufacturer Serial No. | Replace National Board No. | Or Repairs or Repland and Replacement Control of the Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| ldentif | Name of Manufacturer k on ADROIT Fabricators | f Section XI Unts Repaired o | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of omponent liding Bloc RHS*E1A | Name of Manufacturer k on ADROIT Fabricators | Manufacturer Serial No. | National Board No. | Other Identification N/A | Components Year Built 1987 | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) |
| Name of omponent liding Bloc RHS*E1A | Name of Manufacturer k on ADROIT Fabricators | Manufacturer Serial No. | National Board No. | Other Identification N/A | Components Year Built 1987 | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size $s \otimes_2$ in. $x \otimes_3$ in. $x \otimes_4$ in. $x \otimes_5$ information in items : through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9. Remarks None |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to a |
| rules of the ASME Code, Section XI. |
| Signed Tuly Art Eng Supy Date 7/20, 19 & |
| Owner's Designee, Title |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspetors and the State or Province of Connecticut and employed by HSB [&] |
| of Hartford have inspected the components described in this Owner's Repo |
| of Hartford have inspected the components described in this Owner's Reporting the period $2/16/88$ to $4/2/11$, and state that to the test of |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owne |
| 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 implie |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| |
| 16 Jam commissions CT 1119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date |
| |
| |

| | Owner Northeast Utilities Service Co. | | Date | 3/14/88 | | |
|---------------|------------------------------------------------------------|--------------------------|----------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| | Name | | | 1.45 | | |
| | P.O. Box 128, Waterford, CT 06385 | | Sheet | 1 | of 2 | |
| | Ajdress | | | | A STATE OF | |
| | Plant Millstone Nuclear Power Station | | Unit | 111 | | |
| | Name | | | | | |
| | P.O. Box 128, Waterford, CT 06385 | | M3-8 | 8-00887 | | |
| | Address | | Charles Street Street | | ork Order Number | |
| | | | | | | |
| | Work Performed by Millstone Station Name | | | | | |
| | | | | | | |
| | P.O. Box 128, Waterford, CT | | | | | |
| | Address | | | | | |
| | Identification of System Containment | Recirculat | fon | | | |
| 5. | Identification of Components Repaired o | | | | | |
| | e of Name of Manufacturer onent Manufacturer Serial No. | National Soard No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name Compo | onent Manufacturer Serial No. | Soard | | | Replaced, | Code Stamped (Yes |
| Compo | onent Manufacturer Serial No. | Soard | Identification | | Replaced, | Code Stamped (Yes |
| Compo | onent Manufacturer Serial No. | Soard No. | Identification Drawing Number | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Compo | onent Manufacturer Serial No. | Soard No. | Identification Drawing Number | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Compo | onent Manufacturer Serial No. | Soard No. | Identification Drawing Number | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Compo | onent Manufacturer Serial No. | Soard No. | Identification Drawing Number | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| RSS* | nent Manufacturer Serial No. 888 Pacific 0593+3 | Board No. | Identification Drawing Number 81-691 | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| RSS* | onent Manufacturer Serial No. | Board No. | Identification Drawing Number 81-691 | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| SRSS+ | nent Manufacturer Serial No. 888 Pacific 0593+3 | Board No. N/A | Identification Drawing Number 81-691 | Built 1983 | Replaced, or Replacement Repair | Code Stamped (Yes Or No) |

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) | |
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| . Remarks Inspections performed - liquid penetrant and visual inspection. | |
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| | - |
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| | |
| CERTIFICATE OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this Repair conforms Repair or replacement | to the |
| rules of the ASME Code, Section XI. | |
| Signed Tuly Ast En Sys Date Tho 19 | 85 |
| | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel I tors and the State or Province of | nspec- |
| tors and the State or Province of CT and employed by HST TCT of $HPATFIAD$ have inspected the components described in this Owner's during the period $SITAT$ to $TITAT$ and state that to the best | Report |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this | Owner! |
| Report in accordance with the requirements of the ASME Code, Section XI. | CHING! |
| By signing this certificate neither the inspector nor his employer makes any warranty, expressed or in | |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither | |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a los | |
| any kind arising from or connected with this inspection. | |
| Inspector's Signature Commissions C7/1/5 National Board, State, Province, and Endorsement | |
| | nts |
| Date 422 19 87 | |
| | |
| | |

| . Owner | Northeast Utiliti | les Service Con | npany | Date | 3/25/88 | | - |
|-------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------|------------------------------------|-------------------------------------------|
| | Name | | | | | | |
| P.0 | . Box 128, Waterford | , CT 06385 | | Sheet | 1 | of 2 | |
| | Addre | 5.5 | | | | | |
| . Plant | Millstone Nuclear | Power Station | 1 | Unit | 111 | | |
| | Name | | | | | | |
| P.0 | . Box 128, Waterford | d, CT 06385 | Outles in | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 | 87-03766 | | |
| | Addre | 055 | | | Authorized Wo | ork Order Number | |
| . Work | Performed by Mills | stone Station | | | | | |
| | Name | | | | | | |
| P.0 | , Box 128, Waterford | THE RESERVE OF THE PERSON OF T | | | | | |
| | Addre | 055 | | | | | |
| . ident | ification of System | Main Steam | | | Carlora. | | |
| | | tion Code ASI | WE []] | 1971 Edition. | 573 | Addenda, N/A | Code Case |
| (b) | Applicable Construct Applicable Edition of iffication of Component | of Section XI (| Utilized fo | r Repairs or Rep | lacements 198 | | |
| (b) 6. Ident | Applicable Edition | of Section XI (| Utilized fo | r Repairs or Rep | lacements 198 | | ASME Code Stamped (Yes Or No) |
| (b) | Applicable Edition of iffication of Compone | of Section XI I | Utilized fo or Replaced National Board | r Repairs or Rep and Replacement Other | lacements 198 Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| Name of Component | Applicable Edition of iffication of Compone | of Section XI I | Utilized fo or Replaced National Board | r Repairs or Rep and Replacement Other Identification | lacements 198 Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| Name of Component | Applicable Edition of iffication of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | Utilized for or Replaced National Board No. | r Repairs or Rep and Replacement Other Identification Drawing Number | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of Component | Applicable Edition of iffication of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | Utilized for or Replaced National Board No. | r Repairs or Rep and Replacement Other Identification Drawing Number | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of Component | Applicable Edition of iffication of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | Utilized for or Replaced National Board No. | r Repairs or Rep and Replacement Other Identification Drawing Number | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of Component | Applicable Edition of iffication of Compone Name of Manufacturer | Manufacturer Serial No. | Utilized fo or Replaced National Board No. | Other Identification Drawing Number 1106J72 | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of Component | Applicable Edition of iffication of Compone Name of Manufacturer Westinghouse | Manufacturer Serial No. | Utilized for Replaced National Board No. 15215 | Other Identification Drawing Number 1106J72 | Tacements 1990 Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 84 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS+2 (Back) |
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| Remarks None |
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| CERTIFICATE OF COMPLIANCE |
| and the state of t |
| We certify that the statements made in the report are correct and this Repair conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. |
| -1 1166 |
| Signed Tuly Asit Eng Syl Date 1/20 , 19 17 |
| owner or owner's besignee, little |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec |
| tors and the State or Province of and employed by HSR 101 |
| tors and the State or Province of CT and employed by $HSRIGI$ of $HIR. IIII$ have inspected the components described in this Owner's Report during the period $2 \cdot 1 \cdot 58$ to $22 \cdot 88$, and state that to the best of m |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| |
| Commissions C7 ///9 Inspector's Signature National Board, State, Province, and Endorsements |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date 722 1988 |
| |

| . Owner | Northeast Utilit | ies Service Co. | | Date | 3/25/88 | | |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------|------------------------------------------|
| | Name | | | | | | |
| 0.0 | Box 128, Waterfor | d CT 06385 | | Sheet | 1 0 | f 2 | |
| | Addr | | | | | | |
| | | | | Halt | | | |
| . Plant _ | Millstone Nuclea Name | | | Unit | 111 | | |
| | | | | | | | |
| P.O. | Box 128, Waterfor | | | MERCHANISM CONTRACTOR | -00955/0095 | 6/00957 rk Order Number | |
| | Addr | ress | | Au | thorized wo | rk Order Number | |
| . Work Pe | rformed by Mill | stone Station | | | | | |
| | Name | | | | | | |
| P. 0 | Box 128, Waterfor | rd CT | | | | | |
| | CONTRACTOR OF THE PERSON NAMED IN COLUMN 2 | ress | | | | | |
| | | | | | | | |
| . Identif | ication of System | m Main Steam | System | | | | |
| | oplicable Edition | | | | | 3, 583 | |
| | | nents Repaired | | and Replacement C | | 3, 583 | ASME |
| | | | or Replaced | | | | Code |
| . Identif | | nents Repaired | | | | Repaired, | Code Stamped |
| . Identif | fication of Compo | nents Repaired | or Replaced | and Replacement C | omponents | | Code |
| Name of Component | fication of Compor | nents Repaired | or Replaced National Board | and Replacement C | omponents | Repaired, Replaced, | Code Stamped (Yes |
| Name of component | fication of Compor | nents Repaired | or Replaced National Board | Other | omponents | Repaired, Replaced, | Code Stamped (Yes |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | or Replaced National Board | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | or Replaced National Board | Other Identification Drawing Number | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component MSS*CTV | Name of Manufacturer | Manufacturer Serial No. | or Replaced National Board | Other Identification Drawing Number 103-047-342 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent MSS*CTV 7A 7B | Name of Manufacturer Sulzer Sulzer Sulzer | Manufacturer Serial No. 5425 5431 | National Board No. | Other Identification Drawing Number 103-047-342 | Year Built 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| Name of Component MSS*CTV 7A 27B 27C *Replacement | Name of Manufacturer Sulzer Sulzer Sulzer t of Bolt BrokenD | Manufacturer Serial No. 5425 5431 5437 | National Board No. | Other Identification Drawing Number 103-047-342 103-047-342 | Year Built 1981 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| Name of Component BMSS*CTV 27A 27B 27C *Replacement | Name of Manufacturer Sulzer Sulzer Sulzer t of Bolt BrokenD | Manufacturer Serial No. 5425 5431 5437 | National Board No. | Other Identification Drawing Number 103-047-342 | Year Built 1981 1981 | Repaired, Replaced, or Replacement Repair | Code Stamped (Yes Or No) Yes |
| Name of Component MSS*CTV 17A 17C *Replacement* | Name of Manufacturer Sulzer Sulzer Sulzer t of Bolt BrokenD | Manufacturer Serial No. 5425 5431 5437 Turing Assembly depair of steam | National Board No. | Other Identification Drawing Number 103-047-342 103-047-342 103-047-342 | Year Built 1981 1981 surface | Repaired, Replaced, or Replacement Repair Repair* Repair | Code Stamped (Yes Or No) Yes Yes |
| Name of Component MSS*CTV 27A 27B 27C *Replacement | Name of Manufacturer Sulzer Sulzer Sulzer t of Bolt BrokenD | Manufacturer Serial No. 5425 5431 5437 Turing Assembly depair of steam | National Board No. | Other Identification Drawing Number 103-047-342 103-047-342 | Year Built 1981 1981 surface | Repaired, Replaced, or Replacement Repair Repair* Repair | Code Stamped (Yes Or No) Yes Yes |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks Inspections - In-service leak test, liquid penetrant and visual inspection of machined surfaced |
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| CERTIFICATE OF COMPLIANCE |
| |
| We certify that the statements made in the report are correct and this Repair conforms to Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ait Eng Supu Date 4/20, 19 |
| Signed Owner's Designed Title Date Total |
| owner of omner's besignee, inche |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inst |
| tors and the State or Province of CT and employed by NJG Z I |
| tors and the State or Province of CT and employed by $NSSISI$ of $HA-SISIS$ have inspected the components described in this Owner's Reduring the period $27-18$ to $4-2-20$, and state that to the best of |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Own |
| 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 impl |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss |
| any kind arising from or connected with this inspection. |
| R 12n Commissions C1 // 9 |
| Commissions C7/19 Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date 427 19 48 |

| . Owne | r Northeast Utilit | tias Service Con | npany | Date | 3/28/88 | | |
|------------------------------|----------------------------------------------------------------------|-------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------|------------------------------------------|
| | Name | | | | | | |
| P. | O. Box 128, Waterfor | d. CT 06385 | | Sheet | 1 0 | if 2 | |
| - | Addr | | Wells - | | | | |
| . Plan | nt Millstone Nuclea | er Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| | | | | | .03550 | | |
| | O. Box 128, Waterfor | rd, CT 06385 | | Management Control of the Control of | +03552 thorized Wo | ork Order Number | |
| | 700 | | | | | | |
| . Work | Performed by Mill | Istone Station | | | | | |
| | Name | • | | | | | |
| P. | O. Box 128, Waterfor | rd. CT | | | | | |
| | | ress | | | | | |
| | | | | 2004 | | | |
| . Ider | ntification of System | m Steam Cener | ator Blowdo | wn Sample | | | |
| , (a) | Applicable Constru | ction Code ASI | ME III | 1971 Edition. | S73 A | ddenda. N/A | Code Cas |
| | | | | | | | |
| (b) | While contains | of Section XI | Utilized to | r Repairs or Repla | cements 198 | 33, 583 | |
| (6) | Applicable Edition | of Section XI | Utilized fo | r Repairs or Repla | cements 198 | 33, 883 | |
| | ntification of Compo | | | | | 33, 583 | |
| | | | | | | 53, 583 | ASME |
| | | | | | | 53, 583 | ASME Code |
| | | | | | | Repaired, | Code |
| . Iden | ntification of Compo | nents Repaired | or Replaced | and Replacement (| Components | Repaired, Replaced, | Code Stamped (Yes |
| . Iden | ntification of Compo | nents Repaired | or Replaced | and Replacement (| Components | Repaired, | Code Stamped |
| Name of | Name of Manufacturer | nents Repaired | or Replaced National Board | and Replacement (| Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer | nents Repaired | or Replaced National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of component SSR*CTV | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number 81V-004 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component SSR*CTV | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number 81V-004 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component SSR*CTV | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number 81V-004 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component SSR*CTV | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number 81V-004 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component SSR*CTV | Name of Manufacturer Target Rock Target Rock | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number 81V-004 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component SSR*CTV | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification Drawing Number 81V-004 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component SSR*CTV 98 | Name of Manufacturer Target Rock Target Rock | Manufacturer Serial No. | National Board No. N/A | Other Identification Drawing Number 81V-004 | Year Built 1981 | Repaired, Replaced, or Replacement Removed Replaced | Code Stamped (Yes Or No) Yes |
| Name of component SSR*CTV 98 | Name of t Manufacturer Target Rock Target Rock cription of Work R | Manufacturer Serial No. 9 19 | National Board No. N/A N/A | Other Identification Drawing Number 81V-004 | Year Built 1981 1984 | Repaired, Replaced, or Replacement Removed Replaced | Code Stamped (Yes Or No) Yes Yes |

E: 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 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.

| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Clara and employed by His Inspectors and the State or Province of Clara have inspected the components described in this Owner's Report of the Derivative Management of the State of the Components described in this Owner's Report of the Derivative Management of Management of the Derivative Management | FORM NIS-2 (Back) |
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| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | Remarks Functional Testing - LLRT, Stroke-Time Testing on ISLT |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed | |
| Repair or replacement At the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by Air in have inspected the components described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | CERTIFICATE OF COMPLIANCE |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by 100 114 If the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of have inspected the components described in this Owner's Report during the period 2007 15 to 122 15, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by ALCO ALCO AND | rules of the ASME Code, Section XI. |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by ALCO ALCO AND | signed Tuly Art Eng Syr Date 4/20, 19 ff |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of | Onto a Company trans |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of | |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of | |
| and employed by ACD III have inspected the components described in this Owner's Report to ACD III and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | CERTIFICATE OF INSERVICE INSPECTION |
| 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of |
| 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | of Han 1 For i have inspected the components described in this Owner's Repor |
| 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | during the period $2\cdot7\cdot18$ to 4218 , and state that to the best of m |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. | Report in accordance with the requirements of the ASME Code, Section XI. |
| any kind arising from or connected with this inspection. | concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| | |
| Inspector's Signature Commissions Clark National Board, State, Province, and Endorsements | |
| nacional board, state, Frovince, and Endorsements | Inspector's Signature Commissions Cliff |
| | |
| Date | Date |

| | | | | | 3/25/88 | | |
|---------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|------------------------------------------|-------------------------------------------|
| | Name | | | | | | |
| P.0 | . Box 128, Waterfor | d, CT 06385 | | Sheet _ | 1 0 | f 2 | |
| 400 | Addr | ess | | | | | |
| Plant | Milistone Nuclea | r Power Station | | Unit | 111 | | |
| - 1 | Name | | | | | | |
| | | OT 05295 | | W3-97 | -03553 | | |
| P.0 |). Box 128, Waterfor Addr | | | exceptions surfacement | AND RESIDENCE AND ADDRESS OF THE PERSON NAMED IN | rk Order Number | |
| | | | | | | | |
| Work | Performed by Mill Name | | | | | | |
| | Name | | | | | | |
| P.0 |). Box 128, Waterfor | | | | | | |
| | Addr | ess | | | | | |
| | | | | | | | |
| (a) (b) | Applicable Construc Applicable Edition tification of Compon | tion Code ASM of Section XI I | KE III Utilized for | 1977 Edition, r Repairs or Repla | 579 A | | Code Case |
| (a) (b) Ident | Applicable Construc Applicable Edition | tion Code ASM of Section XI I | KE III Utilized for | 1977 Edition, r Repairs or Replacement (| 579 A | | ASME Code Stamped (Yes Or No) |
| (a) (b) Ident | Applicable Construc Applicable Edition tification of Compon | tion Code ASM of Section XI i | ME III Utilized for Preplaced National Board | 1977 Edition, r Repairs or Repla and Replacement (| S79 A scements 198 Components | Repaired, Replaced, | ASME Code Stamped (Yes |
| (a) (b) Ident | Applicable Construc Applicable Edition tification of Compon | tion Code ASM of Section XI i | ME III Utilized for Preplaced National Board | 1977 Edition, r Repairs or Replacement (| S79 A scements 198 Components | Repaired, Replaced, | ASME Code Stamped (Yes |
| (a) (b) | Applicable Construction Applicable Edition tification of Components of Manufacturer | tion Code ASP of Section XI I ents Repaired (Manufacturer Serial No. | ME III Utilized for Or Replaced National Board No. | 1977 Edition, | S79 Ascements 198 Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

| testing. | | | | | |
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| * | | CERTIFICATE | OF COMPLIANCE | | |
| rules of the ASME Code, | Section XI. | | | or replacement | |
| Signed Owner or | emner's Designee | Aut En | Squ Date_ | 4/20 | , 19 FF |
|), the undersigned, hol | ding a valid comm | | SERVICE INSPECTION e National Board of Bo | iler and Pressur | e Vessel Inspec- |
| tors and the State or Professional during the period knowledge and belief, to Report in accordance with | ne Owner has pert | ormed examinations | and taken corrective m | NSB 15 described in thi and state that t easures describe | s Owner's Report to the best of my d in this Owner's |
| By signing this ce concerning the examinat Inspector for his emplo any kind arising from o | ions and correcti yer shall be liab | ive measures describ ble in any manner fo | | rt. Furthermore | , neither the |
| 0 1 - | | Commissions | c11/19 | | |
| 10000 | | | National Board State | Decuinos and | Endorgaments |
| Inspector's S Oate 4-22 | | | National board, state | 2 Province, and | choor sements |

| Plant | Name ox 128, Waterfor Addi | rd, CT 06385 | | | | | |
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| Plant | Add | Control of the Contro | | | | | |
| Plant | Add | Control of the Contro | | Shiret | 1 0 | f 2 | |
| | Millstone Nucle | ess | | | | | |
| | SERVICE AND RESIDENCE AND RESI | ar Power Station | | Unit | 111 | | |
| P.O. 8 | Name | STATE OF THE PERSON NAMED IN COLUMN 2 IN C | | | | | |
| 7 1 V 4 D | ox 128, Waterfor | of 05385 | | M3-81 | -08835 | | |
| - | - Harris St. Co. St. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co | ress | | CONTRACTOR OF THE PERSON NAMED IN CONTRACTOR OF T | THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER. | rk Order Number | |
| Ward War | elder a men | | | | | | |
| Work Fer | formed by Mil' | - Commission of the Commission | - | | | | |
| | | | | | | | |
| P.O. B | ox 128, Waterfor | | | | | | |
| | Add | ress | | | | | |
| Identifi | cation of System | n Feedwater | | | | | |
| | | | | | | | |
| Identifi | Name of | Manufacturer | National Board | and Replacement (| | Repaired, | ASME Code Stamped |
| mponent | Manufacturer | Serial No. | No. | Identification | Year Built | or Replacement | (Yes |
| Mr. Arrange and a second | | | | | | | |
| VS-V968 | Velan | 8401068N3 | N/A | P1-16189-N2 | 1984 | Removed | Yes |
| VS-V968 VS-V968 | Velan | 8401068N3 59800843 | N/A N/A | P1-16189-N2 H815AAY | 1984 N/A | Removed Replacement | |

information in Items ! through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

mber of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| 9. Remarks None |
| 2. Nemarks mone |
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| |
| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section X1. |
| Signed Tuly Ast Eng Sav Date 7/2 , 19 88 |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by #150 171 |
| tors and the State or Province of \int and employed by $\mathcal{U}(\mathcal{F})$ $\mathcal{F}(\mathcal{F})$ of $\mathcal{F}(\mathcal{F})$ have inspected the components described in this Owner's Reporturing the period $\mathcal{F}(\mathcal{F})$ to $\mathcal{F}(\mathcal{F})$, and state that to the best of $\mathcal{F}(\mathcal{F})$ |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the |
| inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. |
| RJZn commissions CT1119 |
| Inspector's Signature Commissions C1119 National Board, State, Province, and Endorsements |
| Date 4.22 19 88 |

| 1. Owner Northeast Utili | | Date 4/11/88 | | |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|-------------------------------------------|
| P.O. Box 128, Waterfo | rd, CT 06385 ress | Sheet 1 o | f _2 | |
| . Plant Millstone Nucle | | Unit 111 | | |
| P.O. Box 128, Waterfo | rd, CT 06385 | M3-87-11534 Repair Organi | zation P.O. No., Jo | b No., etc. |
| P.O. Box 128, Waterfo | ne . | | | |
| . Identification of Syste | m Main Steam | | | |
| (a) Applicable Constru | | | ddenda, N/A | |
| (a) Applicable Constru (b) Applicable Edition (dentification of Compo | onents Repaired or Replaced and | | 3, 583 | |
| (b) Applicable Edition Identification of Compo | nents Repaired or Replaced and National Manufacturer Board | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition Identification of Compo | National Manufacturer Board Serial No. No. Ide | d Replacement Components Other Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Edition Identification of Compo Name of Name of Component Manufacturer | National Manufacturer Board Serial No. No. Ide | Other Year entification Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Applicable Edition Identification of Compo Name of Name of Component Manufacturer IMSS-CTV-270 Sulzer | National Manufacturer Board Serial No. No. Ide | Other Year entification Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Applicable Edition 6. Identification of Compo Name of Name of Component Manufacturer 3MSS-CTV-270 Sulzer | National Manufacturer Board Serial No. No. 1de | Other Year entification Built 103.047.342 1981 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{5}$ in, x 11 in., information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the lamber of sheets is recorded at the top of this form.

Date 4-12 1988

FORM N15-2 (Back) Remarks None CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed Duly As t Eng Spu Date 1/20 . 19 St CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec-knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Inspector's Signature Commissions CF-1/19
National Board, State, Province, and Endorsements

| Plant | Box 128, Waterfor Add Millstone Nucle Nam | ord, CT 06385 dress ear Power Station | | Date _3 | 1 (| of 2 | |
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| Plant _ | Box 128, Waterfor Add Millstone Nucle Nam | ord, CT 06385 dress ear Power Station | | Sheet | 1 (| of 2 | |
| Plant _ | Add Millstone Nucle Nar | dress ear Power Station | | Sheet _ | 1 | of 2 | |
| Plant _ | Add Millstone Nucle Nar | dress ear Power Station | | | | | |
| | Nar | | | | | | |
| | Nar | | | Unit I | 11 | | |
| P.O. | | THE . | | | | | |
| P.O. | | | | | | | |
| | Box 128, Waterfo | ord, CT 06385 dress | | M3-87- | | ork Order Number | |
| | 7.01 | uress | | | | | |
| Work Pe | rformed by Mi | | | | | | |
| | Nar | ne | | | | | |
| P.O. | Box 128, Waterfo | ord, CT | | 127-14 | | | |
| | Add | dress | | | | | |
| Identif | instine of System | em Charging Pur | me Coeline I | Vent | | | |
| lame of | Name of | Newsday | National | | | Repaired, | ASME Code |
| radinary silve | | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| and the same of th | Manufacturer | | No. | Other Identification | Year Built | Replaced, or Replacement | (Yes Or No) |
| omponent | | | | | | | (Yes |
| omponent CCE* | | | | Identification | | | (Yes |
| omponent CCE* | Manufacturer Dresser | Serial No. | No. | | Built 1981 | or Replacement | (Yes Or No) |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| . Remarks Inspections per | formed - Liquid penetrant |
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the state | ements made in the report are correct Replacement conforms to the Repair or replacement |
| | |
| Signed They | - Asit Eng Supu Date 4/11 , 19 SF |
| Owner of Tables | s designee; title |
| | |
| | The second secon |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | valid commission issued by the National Board of Boiler and Pressure Vesse) Inspec- e of Connecticut and employed by HSB [&] |
| of Hartford | have inspected the components described in this Owner's Report to |
| knowledge and belief, the Owne | er has performed examinations and taken corrective measures described in this Owner's requirements of the ASME Code, Section XI. |
| concerning the examinations ar | ate neither the inspector nor his employer makes any warranty, expressed or implied, no corrective measures described in the Owner's Report. Furthermore, neither the all be liable in any manner for any personal injury, property damage, or a loss of ected with this inspection. |
| 1272 | Commissions CT/19 |
| Inspector & Signatur | |
| | |
| Date 4 22 | 19 |
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| . Owner | Northeast Utilit | ies | | Date | 2/12/88 | | |
|----------------------------------------------|------------------------------------------|-------------------------------------------------|---------------------------------|----------------------------|-----------------------|---------------------------------------------|------------------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | d. CT | | Sheet | 1 | of 2 | |
| | Addr | | | | | | |
| Plant | Millstone Nuclea | r Power Station | | Unit | 111 | | |
| _ | Name | | | | | 85 My /2/1 | , |
| P.O. | Box 128, Waterfor | d, CT | | M3-85 | 5-34422/M3- | 85-40113 4/21/4 | |
| | Addr | | | Au | thorized W | ork Order Number | |
| Work Pe | rformed by C. N | I. Flagg & Co | | | | | |
| | Name | | | | | | |
| Merid | en, CT | | | | | | |
| | Addr | ess | | | | | |
| . Identif | ication of System | CCP-H | | | | | |
| | | | | | | | |
| (a) Ap (b) Ap | plicable Edition | of Section XI t | Utilized fo | r Repairs or Repla | acements 19 | 980, W81 | |
| (b) Ap | | | | r Repairs or Replacement (| | 80, W81 | ASME |
| (b) Ap | | | or Replaced | | | | Code |
| (b) Ap | fination of Compor | nents Repaired (| or Replaced | and Replacement (| Components | Repaired, | Code Stamped |
| (b) Ap | fination of Compor | ments Repaired of | or Replaced National Board | and Replacement (| Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap | fination of Compor | nents Repaired (| or Replaced | and Replacement (| Components | Repaired, | Code Stamped |
| (b) Ap Identif | fination of Compor | ments Repaired of | or Replaced National Board | and Replacement (| Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap Identif | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif Name of omponent CP*V18 | Name of Manufacturer S&W | Manufacturer Serial No. | National Board No. | Other | Year Built 1985 | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif Name of omponent CP*V18 | Name of Manufacturer S&W | Manufacturer Serial No. CCP-4 | National Board No. N/A | Other Identification N/A | Year Built 1985 | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| (b) Ap Identify Name of component CCP*V18 | Name of Manufacturer S&W Conducted: Hyd | Manufacturer Serial No. CCP-4 CP*V18 was modi | National Board No. N/A | Other Identification N/A | Year Built 1985 | Repaired, Replaced, or Replacement Repaired | Code Stamped (Yes Or No) Yes |

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

| FORM NIS-2 (Back) | |
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| 9. Remarks Valve was repaired and passed LLRT by AWO-M3-87-40113 MM Y/2:(58 | |
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| CERTIFICATE OF COMPLIANCE | |
| We contifu that the statements made in the concert are correct and this Penair | conforms to the |
| We certify that the statements made in the report are correct and this Repair Repair or replaces | |
| rules of the ASME Code, Section XI. | |
| | 0.0 |
| signed Puly but English Date 4/1 | , 19 50 |
| Owner or Owner's Designee, Title | |
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| | |
| APPLICATE OF INSPECTION | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National Board of Boil. and Pre- | ssure Vessel Inspec- |
| tors and the State or Province of Connecticut and employed by HSB IGI | |
| of Hartford have inspected the components described in | this Owner's Report |
| during the period $2/24/88$ to $4.22.81$, and state th | at to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures desc | |
| Report in accordance with the requirements of the ASME Code, Section X' | |
| | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, e | |
| concerning the examinations and corrective measures described in the Owner's Report. Further | |
| inspector nor his employer shall be liable in any manner for any personal injury, property da | mage, or a loss of |
| any kind arising from or connected with this inspection. | |
| POZme commissions (T/1/13 | |
| Commissions (7/1/9 Inspector's Signature Commissions National Board, State, Province, | and Endorsements |
| | |
| Date 4.2 19 88 | |
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| . Owner | Northeast Utilit | ies Service Co | | Date | 3/14/88 | | |
|---------------------------------|-----------------------------------------------------|--------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------|------------------------------------|
| | Name | | | | | | |
| P.O. I | Box 128, Waterfor | ess | | Sheet | 1 | of 2 | |
| . Plant _ | Millstone Nuclea | | n | Unit _ | (1) | | |
| | | | | | | | |
| P.O. | Box 128, Waterfor | | | AND RESIDENCE AN | 38-00506 | al Onder Number | |
| | Addi | ress | | | Authorized Wo | ork Order Number | |
| . Work Pe | rformed byMill | stone Station | | | | | |
| | Name | | | | | | |
| | | | | | | | |
| P.O. | Box 28, Waterford | ress | | | | | |
| | Addi | 633 | | | | | |
| . Identif | ication of System | n Component C | ooling | | | | |
| | | | | | | | |
| | | | | | | Addenda, | _ Code Cas |
| (b) Ap | plicable Edition | of Section XI | Utilized fo | or Repairs or Repl | acements 198 | 33, S83 | |
| | | | | | | | |
| 6. Iden | cation of Compo | nents Repaired | or Replace | d and Replacement | Components | | |
| | | | | | | | |
| | | | | | | | ASME |
| | | | | | | | Code |
| | Name of | Vanifacturas | National | Other | V | Repaired, | Code Stamped |
| Name of | Name of | Manufacturer Serial No. | Board | Other | Year Suil+ | Replaced, | Code Stamped (Yes |
| Name of | Name of Manufacturer | Manufacturer Serial No. | | Other Identification | Year Built | | Code Stamped |
| Name of Component | | | Board | | | Replaced, | Code Stamped (Yes |
| Name of Component | | Serial No. | Board | Identification | | Replaced, | Code Stamped (Yes |
| Name of Component CCP* | Manufacturer | D-0055 3-21 | Board No. | Dw ₃ | Built | Replacement Replacement | Code Stamped (Yes Or No) |
| Name of Component CCCP* | Manufacturer Pratt | D-0055 3-21 | Board No. | Dw ₃ C-3547 | Built 1977 | Replacement Replacement | Code Stamped (Yes Or No) |
| Name of Component CCP* | Manufacturer Pratt | D-0055 3-21 | Board No. | Dw ₃ C-3547 | Built 1977 | Replacement Replacement | Code Stamped (Yes Or No) |
| Name of Component 3CCP* | Manufacturer Pratt | Serial No. D-0055 3-21 3-19 | Board No. | Dw ₃ C-3547 | Built 1977 | Replacement Replacement | Code Stamped (Yes Or No) |
| Name of component CCCP* 705 | Pratt Pratt Ation of Work S | Serial No. D-0055 3-21 3-19 wap V5 with V6 | No. | Dw \ C-3547 C-3547 | 1977 1977 | Replacement Replacement | Code Stamped (Yes Or No) Yes Yes |
| Name of Component 3CCP* 705 706 | Pratt Pratt Pratt ction of Work S Conducted: Hyd | Serial No. D-0055 3-21 3-19 wap V5 with V6 rostatio /_/ | No. N/A N/A Pneuma | C-3547 C-3547 | 1977 1977 Nominal Ope | Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes |

MOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| | FORM NIS-2 (Back) |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 9. Remarks None | |
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| | |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statemen | its made in the report are correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section X | |
| Signed Owner's O | Agit Eng Supu Date 4/21, 19 SF |
| | |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| l, the undersigned, holding a val tors and the State or Province of | id commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| of HARTIFIAN | and employed by HSC [62] have inspected the components described in this Owner's Report to 72275, and state that to the best of my |
| knowledge and belief, the Owner h | has performed examinations and taken corrective measures described in this Owner' quirements of the ASME Code, Section XI. |
| By signing this certificate | neither the Inspector nor his employer makes any warranty, expressed or implied, |
| | corrective measures described in the Owner's Report. Furthermore, neither the |
| any kind arising from or connects | be liable in any manner for any personal injury, property damage, or a loss of ed with this inspection. |
| 1000 | C 1 11 2 |
| Inspector's Signature | Commissions (/ //) National Board, State, Province, and Endorsements |
| | |
| Date 42L | 19 7 6 |

| Owner | Northeast Utilit | ies Service Co. | | Date | 3/8/88 | | |
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| | Name | | | | | | |
| P.O. | Box 128, Waterfor | rd, CT 06385 | | Sheet | 1 0 | f 2 | |
| | Addr | ress | | | | | |
| Plant | Millstone Nuclea | ar Power Station | | Unit | m | . h. tu e. hilli | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | rd, CT 06385 | | M3-87 | -17154 | | |
| | | ress | | Auth | orized Work | Order Number | |
| Work P | erformed by Mill | stone Station | | | | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | rd. CT | | | | | |
| - | the state of the s | ress | | | | | |
| Identi | fication of System | m Ouench Saray | Sustam | | | | |
| 100/101 | induction of ogoder | 44000000 | 0,000 | | | | |
| (a) A | pplicable Construc | ction Code ASN | E 111 | 1971 Edition, | S73 / | Addenda, N/A | Code Case |
| (b) A | pplicable Edition | of Section XI L | tilized f | or Repairs or Repla | ecements 198 | 3 583 | |
| | | | | | | , 503 | |
| Identi | fication of Compos | nents Densired o | | | | , , , , , , , , , , , , , , , , , , , , | |
| Identi | fication of Compor | nents Repaired o | | d and Replacement C | | 3, 503 | |
| Identi | fication of Compo | nents Repaired o | | | | 3, 303 | ASME |
| Identi | fication of Compo | nents Repaired o | | d and Replacement C | | | Code |
| | fication of Compos Name of | nents Repaired o | or Replace | d and Replacement C | | Repaired, Replaced, | |
| lame of | Name of | | National | d and Replacement C | Components | Repaired, | Code Stamped |
| dame of mponent | Name of | Manufacturer | National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| lame of omponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | Name of | Manufacturer | National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| lame of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| lame of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| ame of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| lame of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| lame of imponent | Name of Manufacturer Walworth | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| lame of mponent 055* 029 | Name of Manufacturer Walworth | Manufacturer Serial No. A1915 | National Board No. | Other Identification P | Year Built | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Name of omponent OSS* | Name of Manufacturer Walworth | Manufacturer Serial No. A1915 | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Name of omponent OSS* | Name of Manufacturer Walworth Option of Work R Conducted: Hyd | Manufacturer Serial No. A1915 eplacement of the seriation /_/ | National Board No. | Other Identification P | Year Built 1979 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |

E: 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 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.

| | CERTIFICATE OF COMPLIANCE |
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| We certify that the statements ma | ade in the report are correct and this Replacement conforms to |
| rules of the ASME Code, Section XI. | |
| Dela | Ast En Supr Date 7/21, 19 8 |
| Owner or Owner's Design | that com volv bate 1/21 , 19 01 |
| | |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned holding a valid of | |
| | ommission issued by the National Board of Boiler and Pressure Vessel Insp |
| tors and the State or Province of Con | ommission issued by the National Board of Boiler and Pressure Vessel Insp necticut and employed by HSB I&I |
| tors and the State or Province of Con of Hartford | ommission issued by the National Board of Boiler and Pressure Vessel Insp necticut and employed by HSB 1&1 have inspected the components described in this Owner's Rep |
| tors and the State or Province of <u>Con</u> of <u>Hartford</u> during the period <u>3/14/88</u> | ommission issued by the National Board of Boiler and Pressure Vessel Insp necticut and employed by HSB I&I |
| tors and the State or Province of <u>Con</u> or <u>Hartford</u> during the period <u>3/14/88</u> knowledge and belief, the Owner has p | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB I&I have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own |
| tors and the State or Province of Con- of Hartford during the period 3/14/88 knowledge and belief, the Owner has per Report in accordance with the require | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB 1&1 have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Ownments of the ASME Code, Section XI. |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has perfect in accordance with the required by signing this certificate neit | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB I&I have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has present in accordance with the required By signing this certificate neith concerning the examinations and corre | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB I&I have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Ownments of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or impli |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has period accordance with the required By signing this certificate neith concerning the examinations and correct inspector nor his employer shall be 1 | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB I&I have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own ments of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or implicative measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| tors and the State or Province of Con- of Hartford during the period 3/14/88 knowledge and belief, the Owner has period By signing this certificate neith concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the required to the concerning the examinations and correct to the concerning the examination of the concerning the concerning the examination of the concerning the concerning the examination of the concerning the concerning the concerning the concerning the concerning the examination of the concerning the examination of the concerning the concerni | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB I&I have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or impli ctive measures described in the Owner's Report. Furthermore, neither the iable in any manner for any personal injury, property damage, or a loss o th this inspection. |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has property of the American By signing this certificate neith concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the state of the concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the state of the concerning the examinations and correct of the concerning the concerning the examinations and correct of the concerning the concerning the examinations and correct of the concerning the concerning the examinations and correct of the concerning | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB 1&1 have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own ments of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or implicative measures described in the Owner's Report. Furthermore, neither the iable in any manner for any personal injury, property damage, or a loss of the this inspection. Commissions CT/// |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has present in accordance with the required By signing this certificate neith concerning the examinations and corre | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB I&I have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or impli ctive measures described in the Owner's Report. Furthermore, neither the iable in any manner for any personal injury, property damage, or a loss o th this inspection. |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has proposed in accordance with the required By signing this certificate neith concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the proposed state of the concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the proposed state of the concerning the examinations and correct or some state of the concerning the examinations and correct or some state of the concerning the examinations and correct or some state of the concerning the examinations. | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB 1&1 have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implicative measures described in the Owner's Report. Furthermore, neither the iable in any manner for any personal injury, property damage, or a loss of the this inspection. Commissions CTIII National Board, State, Province, and Endorsements |
| tors and the State or Province of Control of Hartford during the period 3/14/88 knowledge and belief, the Owner has property of the American By signing this certificate neith concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the state of the concerning the examinations and correct Inspector nor his employer shall be 1 any kind arising from or connected with the state of the concerning the examinations and correct of the concerning the concerning the examinations and correct of the concerning the concerning the examinations and correct of the concerning the concerning the examinations and correct of the concerning | ommission issued by the National Board of Boiler and Pressure Vessel Inspecticut and employed by HSB 1&1 have inspected the components described in this Owner's Rep to 3/14/88 , and state that to the best of erformed examinations and taken corrective measures described in this Own ments of the ASME Code, Section XI. her the Inspector nor his employer makes any warranty, expressed or implicative measures described in the Owner's Report. Furthermore, neither the iable in any manner for any personal injury, property damage, or a loss of the this inspection. Commissions CTIII National Board, State, Province, and Endorsements |

| 1. Ow | vner Northeas | t Utilities Se | rvice Co. | | Date | 3/7/88 | | |
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| | | Name | | | | | | |
| - | P.O. Box 128, | Waterford, CT Address | 063845 | | Sheet | 1 of | 2 | |
| 2. P1 | lant Millston | a Nuclear Powe | r Station | | Unit | 111 | | |
| | Tanc ATTISCON | Name | ocación | | | | | |
| | 0.0 0 120 | Waterford CT | 063.05 | | W2-97 | -14358 / M | 3-87-16819 | |
| - | P.O. Box 128, | Address | 00303 | | AND DESCRIPTION AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO PERSONS NAMED IN COLUMN TWO PERSONS NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUM | the state of the s | k Order Number | 11-9-1 |
| 2 | | W/11-1 | C+-+! | | | | | |
| 3. Wo | ork Performed b | Name | Station | | | | | |
| | | | | | | | | |
| - | P.O. Box 128, | Address | | | | | | |
| | | | | | | | | |
| 4. 10 | dentification o | of System Die | sel Genera | tor Fuel | Line | | | |
| | D) Application | Edition of Sec | tion XI Ut | ilized fo | r Repairs or Repla | scements 1983 | , \$83 | |
| | | | Repaired or | Replaced | and Replacement C | | | ASME Code |
| 6. 10 Name o | dentification o | of Components R | Repaired or | | | | Repaired, Replaced, or Replacement | |
| Name of | dentification o | of Components R | depaired or | Replaced National Board | and Replacement C | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of Componer | dentification of of Name ent Manufa | of Components R e of Manuf ecturer Seri | depaired or | Replaced National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of Compone | dentification of of Name ent Manufa | of Components R e of Manuf ecturer Seri | Repaired or facturer al No. | Replaced National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Componers SEGF* HCLE 18 | dentification of Name ent Manufa | of Components R of Manuf octurer Seri | Repaired or facturer al No. | Replaced National Board No. | Other Identification Drawing Number 11869800 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Componers 3EGF* HGJE 18 3EGF*00 | dentification of Name ent Manufa | of Components R of Manuf octurer Seri | Repaired or facturer al No. | Replaced National Board No. | Other Identification Drawing Number 11869800 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Componer 3EGF* HCLE 1E 3EGF*00 *Metal | dentification of Name ent Manufa B/2B ** 01-60-3 * 1 Bellows /Fairbanks Mors | of Components R e of Manuf secturer Seri | Repaired or facturer al No. | Replaced National Board No. 28 | Other Identification Drawing Number 11869800 | Year Built 1976 N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Componer 3EGF* HG1E 18 3EGF*00 *Mets1 **Colt/ 7. De | dentification of water dent Manufater Manufate | of Components R of Manuf secturer Seri k 2 85434 | Repaired or facturer ial No. | National Board No. | Other Identification Drawing Number 11869800 | Year Built 1976 N/A | Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) |

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| 9. Remarks Flexible hoses were installed in accordance with PDCR 3-86-135 to eliminate | vibrations being |
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| transmitted to lower parts of the fuel oil return lines. The vibration on 3EGF*HOSE 1 | B resulted in a failure |
| of this hose. The hose was replaced with hard piping. | |
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| | |
| CERTIFICATE OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement | |
| rules of the ASME Code, Section XI. | |
| Signed Tuly Ast English Date 7/ | L1 , 19 JF |
| | |
| | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and I tors and the State or Province of 1 and employed by 100 | Pressure Vessel Inspec- |
| tors and the State or Province of 1 and employed by $1/3 2$ of $1/3 1/4 1/5 2$ have inspected the components described during the period 3.1415 to 4.2715 , and state | in this Owner's Raport |
| knowledge and belief, the Owner has performed examinations and taken corrective measures de Report in accordance with the requirements of the ASME Code, Section XI. | escribed in this Owner's |
| By signing this certificate neither the Inspector nor his employer makes any warranty concerning the examinations and corrective measures described in the Owner's Report. Furtinspector nor his employer shall be liable in any manner for any personal injury, property | hermore, neither the |
| any kind arising from or connected with this inspection. | |
| Roden Commissions (7/1/3 | |
| Inspector's Signature National Board, State, Province | e, and Endorsements |
| Date 472 19 18 | |
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| | No. 6 as the best of the control of |

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| O | | 01 0110000 | ties Service Co. | | | 10/23/87 | | |
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| | | Name | • | | | | | |
| - | P.O. Bo | x 128, Waterfor | rd, CT 06385 | | Sheet _ | 1 0 | f 2 | |
| Р | lant N | Millstone Nuclea | ar Power Station | | Unit | 111 | | |
| | P.O. Bo | x 128, Waterfo | rd, CT 06385 | | CONTRACTOR DESCRIPTION OF THE PERSON NAMED IN CONTRACTOR DESCRIPTION | -10812 | | |
| | | Add | ress | | Au | thorized Wo | rk Order Number | |
| W | ork Perf | formed by Mil | | | | | | |
| | P.O. Bo | ox 128, Waterfo | rd, CT ress | | _ | | | |
| 1 | dentific | cation of System | m _ Emergency Di | esel Gener | ator | | | |
| | | | | men't commence and | 1977 Edition, r Repairs or Repla | | The second secon | _ Code Cas |
| | a) uhb. | readie careion | | | | Seemen | the sales and the sales and the sales are sales as the sales and the sales are sales as the sales are sale | |
| | | | | | and Replacement C | | | |
| ame | dentific | | | | | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| ame | dentific of ment | cation of Compo | nents Repaired o | National Board | and Replacement C | Components | Repaired, Replaced, | Code Stamped (Yes |
| ame mpon | of nent | Name of Manufacturer | Manufacturer Serial No. | National Board | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| ame mpon | of nent Hose | Name of Manufacturer | Manufacturer Serial No. 386-240-1 | National Board | Other Identification 85434-01 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) N/A |
| ame mpon | of nent Hose | Name of Manufacturer | Manufacturer Serial No. 386-240-1 | National Board | Other Identification 85434-01 | Year Built N/A | Repaired, Replaced, or Replacement N/A | Code Stamped (Yes Or No) N/A N/A |
| ame mponnex Hex Hex Hex H | of nent Hose | Name of Manufacturer * * | Manufacturer Serial No. 386-240-1 386-240-2 | National Board | Other Identification 85434-01 85434-02 85434-03 | Year Built N/A N/A | Repaired, Replaced, or Replacement N/A N/A N/A | Code Stamped (Yes Or No) N/A N/A |
| ame mpon | of dentification of den | Name of Manufacturer * * | Manufacturer Serial No. 386-240-1 386-240-2 | National Board No. | Other Identification 85434-01 85434-02 85434-03 85434-04 | Year Built N/A N/A | Repaired, Replaced, or Replacement N/A N/A N/A | Code Stamped (Yes Or No) N/A N/A |
| ame mponnex H ex H ex H ex H | of ment Hose Hose Hose Bellow | Name of Manufacturer * * * ion of Work _ H | Manufacturer Serial No. 386-240-1 386-240-2 386-240-3 386-240-4 | National Board No. | Other Identification 85434-01 85434-02 85434-03 85434-04 | Year Built N/A N/A N/A N/A | Repaired, Replaced, or Replacement N/A N/A N/A | Code Stamped (Yes Or No) N/A N/A N/A N/A |

MTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| | CERTIFICATE OF COMPLIANCE |
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| We certify that the statements m | nade in the report are correct and this <u>Hydro</u> conforms to the Repair or replacement |
| les of the ASME Code, Section XI. | |
| igned Tuly | Ast En Super Date 7/21, 19 ff |
| Owne or Owner's Desig | nee, Title |
| | CERTIFICATE OF INSERVICE INSPECTION |
| ors and the State or Province of Con | nnecticut and employed by HSB 1&1 |
| ors and the State or Province of <u>Con</u> f <u>Hartford</u> uring the period <u>9/28/87</u> nowledge and belief, the Owner has p | commission issued by the Nacional Board of Boiler and Pressure Vessel Inspec- necticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4.22.88 , and state that to the best of my performed examinations and taken corrective measures described in this Owner's |
| brs and the State or Province of Configuration Hartford Uning the period 9/28/87 nowledge and belief, the Owner has peport in accordance with the require By signing this certificate neither the processing the examinations and correspector nor his employer shall be 1 | commission issued by the Nacional Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to, and state that to the best of my performed examinations and taken corrective measures described in this Owner's ements of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or imposed, ective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| Hartford The Ha | commission issued by the Nacional Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to yellow and state that to the best of my performed examinations and taken corrective measures described in this Owner's ements of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or imposed, ective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| By signing this certificate neith concerning the examinations and correspond to the examinations and correspond to the examination of the examinat | commission issued by the National Board of Boiler and Pressure Vessel Inspectional and employed by HSB 1&1 have inspected the components described in this Owner's Report to Y.20. 8 , and state that to the best of my performed examinations and taken corrective measures described in this Owner's ments of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or implied, ective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of ith this inspection. |
| ors and the State or Province of Conf Hartford uring the period 9/28/87 nowledge and belief, the Owner has peport in accordance with the require By signing this certificate neithoncerning the examinations and correspector nor his employer shall be 1 my kind arising from or connected with the require on the connected with the connec | have inspected the components described in this Owner's Report to Y.C. Y.S., and state that to the best of my performed examinations and taken corrective measures described in this Owner's ements of the ASME Code, Section XI. there the Inspector nor his employer makes any warranty, expressed or impled ective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of ith this inspection. Commissions CT/// National Board, State, Province, and Endorsements |

| . Owner | Northeast Utilit | ies Service Co. | | Date | 3/9/88 | | |
|-----------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|--------------|--------------------|--------------|
| _ | Name | | | | | | |
| P.O. 1 | Box 128, Waterfor | | | Sheet | 1 | of 2 | |
| Plant _ | Millstone Nuclea Name | | 1 | Unit _ | 111 | | |
| P.O. | Box 128, Waterfor | d. CT 06385 | | M3-8 | 7-16491 | | |
| | Addr | | | A | uthorized Wo | ork Order Number | |
| . Work Pe | rformed by Mill Name | THE RESERVE TO SHARE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED | | | | | |
| P.O. | Box 128, Waterfor | d, C1 | 11-13-15 | | | | |
| | Addr | ess | | | | | |
| . Identif | ication of System | Service Wate | er | | | | |
| | | | | or Repairs or Repl | | | ASME Code |
| | | | National | | | Repaired, | Stamped |
| Name of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| omponent | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | Or No) |
| SWP- | | | | | | | Land of |
| 30-02-3 | S&W | CI SWP-18 | N/A | SWP-01 | N/A | Replacement | |
| | | | | | | | Yes |
| | | | | | | | Yes |
| | | | | | | | Yes |
| . Descrip | otion of Work R | eplacement of a | 3/4 inch | capped nipple | | | Yes |
| | | | | | Nominal Op | erating Pressure / | |
| | Conducted: Hyd | rostatic /_/ | Pneuma | atio /_/ | | erating Pressure / | |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| The second second second | |
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| | |
| | |
| | |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements | made in the report are correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. | |
| Signed Tuly - | ignee, Title Date 1/21 , 19 48 |
| Owner or Owner's Desi | ignee, Title |
| | CERTIFICATE DE INSERVICE INSPECTION |
| tors and the State or Province of Co | onnecticut and employed by HSB [&] |
| tors and the State or Province of Co | commission issued by the National Board of Boiler and Pressure Vessel Inspec- onnecticut and employed by HSB [&] |
| tors and the State or Province of Co of Hartford during the period 3/14/88 | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB [&] have inspected the components described in this Owner's Report to 4.22.18, and state that to the hest of my |
| tors and the State or Province of Configuration Hartford State of Province of Configuration Martford M | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB [&] have inspected the components described in this Owner's Report to 4.22.18, and state that to the best of my |
| tors and the State or Province of Confidence of Hartford of Hartford of Martford Muring the period 3/14/88 knowledge and balief, the Owner has Report in accordance with the requirement of the examinations and cortinspector nor his employer shall be | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 9.22.18, and state that to the hest of my performed examinations and taken corrective measures described in this Owner' rements of the ASME Code, Section XI. ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| tors and the State or Province of Configuration of Hartford during the period 3/14/88 knowledge and balief, the Owner has Report in accordance with the requirement of the examinations and configuration or configuration of the examination of | commission issued by the National Board of Boiler and Pressure Vessel Inspection. and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4.2.18 performed examinations and taken corrective measures described in this Owner' rements of the ASME Code, Section XI. ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| tors and the State or Province of Confidence of Hartford of Martford ouring the period 3/14/88 knowledge and balief, the Owner has Report in accordance with the requirement of the examinations and corrections are concerning the examinations are concerning the examination and concerning the examination are concerning the examination are concerning the examination are concerning the examination and concerning the examination are concer | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 9.22.18, and state that to the hest of my performed examinations and taken corrective measures described in this Owner' rements of the ASME Code, Section XI. ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| tors and the State or Province of Confidence of Hartford during the period 3/14/88 knowledge and balief, the Owner has Report in accordance with the requirement of the examinations and confidence on the examinations and confidence on the examination of the exa | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1. have inspected the components described in this Owner's Report to Y. Z. Y. And state that to the hest of my performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. Commissions CT///? National Board, State, Province, and Endorsements |
| tors and the State or Province of Configuration of Hartford during the period 3/14/88 knowledge and balief, the Owner has Report in accordance with the requirement of the examinations and configuration or configuration of the examination of | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to Y. Z. Y. A. and state that to the hest of my performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. Commissions Commissions National Board, State, Province, and Endorsements |

| P.O. Box 12 Plant Mills P.O. Box 12 Work Performe | east Utilities Se Name 8, Waterford, CT Address tone Nuclear Powe Name 8, Waterford, CT Address d by Millstone Name 8, Waterford, CT Address on of System Ser | 06385 r Station 06385 Station | | ACCRECATE SALES ASSESSMENT OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN | 1 of | k Order Number | |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| Plant Mills P.O. Box 12 Work Performe P.O. Box 12 Identification (a) Application | Address tone Nuclear Powe Name 8, Waterford, CT Address d by Millstone Name 8, Waterford, CT Address on of System Ser | r Station 06385 Station | | Unit | 7-16189 | | |
| P.O. Box 12 Work Performs P.O. Box 12 Identification (a) Application | tone Nuclear Powe Name 8, Waterford, CT Address d by Millstone Name 8, Waterford, CT Address on of System Ser | 06385 Station | | м3-8 | 7-16189 | k Order Number | |
| P.O. Box 12 Work Performe P.O. Box 12 Identification (a) Application | Name 8, Waterford, CT Address d by Millstone Name 8, Waterford, CT Address on of System Ser | 06385 Station | | м3-8 | 7-16189 | k Order Number | |
| Work Performe P.O. Box 12 Identification (a) Application | 8, Waterford, CT Address d by Millstone Name 8, Waterford, CT Address on of System Ser | Station | | ACCRECATE SALES ASSESSMENT OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN | AND RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER. | k Order Number | |
| Work Performe P.O. Box 12 Identification (a) Application | Address In d by Millstone Name 18, Waterford, CT Address In of System Ser | Station | | ACCRECATE SALES ASSESSMENT OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN | AND RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER. | k Order Number | |
| P.O. Box 12 Identification (a) Application | Name 8, Waterford, CT Address on of System Ser | | | | action (200 mor | | |
| P.O. Box 12 Identification (a) Application | Name 8, Waterford, CT Address on of System Ser | | | | | | |
| Identification | 8, Waterford, CT Address on of System Ser | vice Water | | | | | |
| (a) Applicat | Address on of System <u>Ser</u> | vice Water | | | | | |
| (a) Applicat | n of System <u>Ser</u> | vice Water | | | | | |
| (a) Applicat | | vice Water | | | | | |
| | | | | | | | |
| Identification | on of Components R | Repaired or | Replaced | and Replacement | Components | | ASME Code |
| | | | National | | | Repaired, | Stamped |
| | | acturer | Board | Other | Year | Replaced, | (Yes Or No) |
| mponent Ma | nufacturer Seri | al No. | No. | Identification | Built | or Replacement | OF NO) |
| E* Soi | ithwest 3SWF | -18-2-7-3 | 4964 | 35WP-18 | N/A | Repair_ | No |

MUTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 85 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| 9 | | FORM NI | S-2 (Back) | | |
|-------------------|-------------------------------------------------------|-------------------|-----------------|-----------------------------------------------------|------------------------------------------|
| 9. Remarks *T | EE contains lines 3SWP-30 | 0-2-3 and 3SWP-30 | -7-3. Hydro pe | rformed under AWO #M3-8 | 7-16354 |
| , Kemerks | ac concerns Trice som s | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| - | | | | | |
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| | | | | | |
| | | CERTIFICATE | OF COMPLIANCE | | |
| We certify t | hat the statements made | in the report are | correct and th | is Repair | _ conforms to the |
| | | | | Repair or replacemen | |
| rules of the ASME | Code, Section XI. | | | | |
| Signed Tu | mer or Owner's Designee, | tost Em | Supu | Date 4/21 | , 19 FF |
| Ow | mer or Owner's Designee, | Title | | | |
| | | | | | |
| | | | | | |
| | | CERTIFICATE OF I | NSERVICE INSPEC | TION | |
| tors and the Stat | ed, holding a valid commi | icut | and emp1 | oyed by HSB 1&1 | |
| of Hartford | 1_3/14/88 | have in | spected the com | ponents described in th | is Owner's Report |
| during the period | d 3/14/88 lief, the Owner has perfo | rmed examinations | and taken corr | , and state that ective measures describ | to the best or my sed in this Owner's |
| | ance with the requirement | | | | |
| | | | | | |
| By signing t | this certificate neither kaminations and correctiv | the Inspector nor | his employer m | makes any warranty, expr or's Report. Furthermor | essed or implied, |
| | s employer shall be liabl | | | | |
| | from or connected with t | | | | |
| n | 2 2 2 | Commissions | CT1119 | | |
| Inspect | tor's Signature | Contributions | National Boar | rd, State, Province, and | d Endorsements |
| | | | | | |
| Date × | LZ 19 88 | | | | |

| Owner No | ortheast Utiliti | es | | Date 1/ | 23/87 | | |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------|----------------------|------------------------------------------------|------------------------------------------|
| | Name | | | | THE PER | | |
| D 0 800 | x 128, Waterford | CT | | Sheet 1 | | of 3 | |
| F.0. 80 | Addre | | | | | | |
| Plant Mi | illstone Nuclear | Power Compan | | Unit 11 | | | |
| rianc m | Name | rone; compan | | | | | |
| P.O. Box | x 128, Waterford | i, CT | | M3-87-034 | 97, M3-87 | 7-03272 | |
| | Addre | | | Auth | orized Wo | ork Order Number | |
| . Work Perf | ormed by C. N. | . Flagg & Co. | | Authorize | d Work Or | ders: M3-87-03870, | M3-87-03872 |
| | Name | | | M3-86-182 | 94. M3-87 | 7-03610, M3-87-83219 | , M3-87-0322 |
| Meriden | , cT | | | | | | |
| | Addre | ess | | | | | |
| Identific | ation of System | Service Wat | er | | | | |
| | | | | | | | |
| | | | | 1971 Edition, S7 | | | _ Code Case |
| (h) anni | inable Edition | of Spotion II | TELLIFORM FO | or Honaide or Honiace | ments 198 | | |
| (U) Appi | readie corcion | or section Ai | 00111200 10 | or Repairs or Replace | | 77, 303 | |
| | | | | | | 33, 303 | |
| | | | | d and Replacement Com | | 303 | ACME |
| | | | | | | 303 | ASME Code |
| | | | | | | Repaired, | |
| | | | or Replaced | d and Replacement Com Other | ponents Year | Repaired, Replaced, | Code Stamped (Yes |
| . Identific | ation of Compon | ents Repaired | or Replaced | d and Replacement Com | ponents | Repaired, | Code Stamped |
| . Identific | Name of Manufacturer | ents Repaired Hydro | or Replaced National Board | d and Replacement Com Other | ponents Year | Repaired, Replaced, | Code Stamped (Yes |
| . Identific | Name of Manufacturer 45° Elbow - | ents Repaired Hydro Pressures | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer 45° Elbow - Guyon Alloys | Hydro Pressures | National Board No. | Other Identification CP319011 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| . Identific | Name of Manufacturer 45° Elbow - Guyon Alloys | ents Repaired Hydro Pressures | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent | Name of Manufacturer 45° Elbow - Guyon Alloys | Hydro Pressures | National Board No. | Other Identification CP319011 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent | Name of Manufacturer 45° Elbow - Guyon Alloys Fittings - | Hydro Pressures 125 | National Board No. | Other Identification CP319011 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent | Name of Manufacturer 45° Elbow - Guyon Alloys Fittings - Guyon Alloys Pipe - Southwe | Hydro Pressures 125 | National Board No. | Other Identification CP319011 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent SWP-150-61-3 | Name of Manufacturer 45° Elbow - Guyon Alloys Fittings - Guyon Alloys Pipe - Southwe | Hydro Pressures 125 | National Board No. N/A | Other Identification CP319011 CP319011 | Year Built N/A | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent SWP-150-61-3 | Name of Manufacturer 45° Elbow - Guyon Alloys Fittings - Cuyon Alloys Pipe - Southwe Fittings - Guyon Alloys | Hydro Pressures 125 125 | National Board No. N/A | Other Identification CP319011 CP319011 | Year Built N/A | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of omponent SWP-150-61-3 | Name of Manufacturer 45° Elbow - Guyon Alloys Fittings - Guyon Alloys Pipe - Southwe | Hydro Pressures 125 125 | National Board No. N/A N/A | Other Identification CP319011 CP319008 | Year Built N/A | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |

| Name of Component | Name of Manufacturer | Hydro Pressure | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
|----------------------|-------------------------|-------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| 3SWP-150-71-3 | Piping - | 150 | N/A | CP 319010 | N/A | Replacements | Yes |
| | Southwest | | | | | | |
| | Fittings - Cuyor | | | | | | |
| | Alloy | | | | | | |
| 3SWP-150-61-3 | Piping South- | 125 | N/A | CP 319011 | N/A | Replacements | Yes |
| | west Fillings - | | | | | | |
| | Guyon Alloy | | | | | | |

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

Other /_/ Pressure _____psi Test Temp. _____°F

Date 4 12 1988

FORM NIS-2 (Back) Remarks None CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed Tuly Asst Eng Spr Date 1/21, 19 ff CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4:2.88 , and state that to the best of my during the period 2/24/88 knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions C7/1/9 Inspector's Signature National Board, State, Province, and Endorsements

| | Owner Northeast Utilities | 0 | ate | 3/18/88 | | | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------|-------------------------------|--------------|------------------------------------------|--------------------------------|
| | Name | | | | | | |
| | P.O. Box 128, Waterford, CT | s | heet | 1 | of _ | 3 | |
| | Address | | | | | | |
| | Plant Millstone Nuclear Power Station | | Init | 111 | | | -1716161 |
| * | Name | | | | | | |
| | P.O. Box 128, Waterford, CT | | See | Attached | Sheet | | |
| | Address | | | Authorize | d Work | Order Number | |
| | Work Performed by C. N. Flagg & Co. | | | | | | |
| • | Name | | | | | | |
| | Waster CT | | | | | | |
| | Meriden, CT Address | | | | | | |
| | | | | | | | |
| * | Identification of System Service Water Har | nger (CP 319/48-HU | 1031 | | | | |
|) | (a) Applicable Construction Code ANSI B3: (b) Applicable Edition of Section XI Utili: Identification of Components Repaired or Rep | zed for Repairs or | Rep | lacements | 1983, | | |
| • | (b) Applicable Edition of Section XI Utili: | zed for Repairs or | Rep | lacements | 1983, | | ASME |
| • | (b) Applicable Edition of Section XI Utili: Identification of Components Repaired or Re | zed for Repairs or | Rep | lacements | 1983, | S83 | ASME Code Stamp |
| j | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report Nat | zed for Repairs or | Rep | lacements | 1983, its | | Code |
| Nami | (b) Applicable Edition of Section XI Utili: Identification of Components Repaired or Report of | placed and Replace | Rep | lacements Componer | 1983, its | Repaired, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili: Identification of Components Repaired or Report of R | placed and Replace | Rep | lacements Componer Year | 1983, its | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | placed and Replace | Rep | lacements Componer Year | 1983, its | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | placed and Replace | Rep | lacements Componer Year | 1983, its | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | placed and Replace | Rep | lacements Componer Year | 1983, its | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | placed and Replace | Rep | lacements Componer Year | 1983, its | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | placed and Replace | Rep | lacements Componer Year | 1983, its | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | placed and Replace | Rep | lacements Componer Year | 1983, ets | Repaired, Replaced, | Code Stamp (Yes |
| Nami | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Report Name of Manufacturer Boonent Manufacturer Serial No. Name of Manufacturer Serial Name of Manufacturer S | ional ard Other o. Identificat | Rep | lacements Componer Year Buil | 1983, | Repaired, Replaced, | Code Stamp (Yes |
| Nampo Compo | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report | of CP-319748-H003 | Rep ement tion | Year Buil | 1983, ts | Repaired, Replaced, Pr Replacement | Code Stamp (Yes Or No |
| Namp | (b) Applicable Edition of Section XI Utili. Identification of Components Repaired or Report of Name of Manufacturer Boonent Manufacturer Serial No. No. See Attached Sheet | of CP-319748-H003 | Rep ement tion | Year Buil PDCR 3-1 | 1983, ts | Repaired, Replaced, Pressure | Code Stamp (Yes Or No |

TE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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Number 3-86-153, "Service Water Pump Dischage Valve Replacement."

This PDCR replaced existing service water pump discharge butterfly valves with aluminum-bronze butterfly valves. To facilitate removal of the valve, modifications to pipe support (CP 319748-H003) must be performed.

AWCs E&DCR

M3-87-02542 } interferences

N-CS-03790

N-ME-03235

M3-6-18320-C

M3-86-18318-A

M3-86-10668-D

M3-86-10664-B

PA 86-108

| | | 44-14-13-12-12-12 | |
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| | 7 | | |
| | | | |
| | | | |
| | | | |
| | CERTIFICATE O | F COMPLIANCE | |
| We certify that the st | atements made in the report are c | orrect and this Replacer | ment conforms to the |
| les of the ASME Code, Sec | tion XI. | | |
| -1. | Der's Designee, Title | Date | 4h1 . 19 ft |
| gned Owner of Own | ver's Designee Title | | |
| | | | |
| the undersigned, holding | CERTIFICATE OF INS | ERVICE INSPECTION National Board of Boils and employed by HS | er and Pressure Vessel Inspec- |
| the undersigned, holding | CERTIFICATE OF INS | ERVICE INSPECTION National Board of Boils and employed by HS | er and Pressure Vessel Inspec- |
| the undersigned, holdingers and the State or Providering the period 2/12/88 | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp | ERVICE INSPECTION National Board of Boild and employed by HS ected the components de 2. 18 | er and Pressure Vessel Inspect B I&I scribed in this Owner's Report d state that to the best of my |
| the undersigned, holding ors and the State or Provide Hartford uring the period 2/12/88 howledge and belief, the Company of th | CERTIFICATE OF INS | ERVICE INSPECTION National Board of Boils and employed by HS ected the components de | er and Pressure Vessel Inspect B I&I scribed in this Owner's Report d state that to the best of my |
| the undersigned, holding ars and the State or Provide Hartford 2/12/88 nowledge and belief, the Caport in accordance with the | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp to Owner has performed examinations a the requirements of the ASME Code, | ERVICE INSPECTION National Board of Boil- and employed by HS ected the components de 2 | er and Pressure Vessel Inspec- B 1&1 scribed in this Owner's Report d state that to the best of my sures described in this Owner |
| the undersigned, holding ors and the State or Provide Hartford Iring the period 2/12/88 howledge and belief, the Caport in accordance with the By signing this certification. | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp to Owner has performed examinations a the requirements of the ASME Code, | ERVICE INSPECTION National Board of Boild and employed by HS ected the components de la | er and Pressure Vessel Inspec- B <u>I&I</u> scribed in this Owner's Report d state that to the best of my sures described in this Owner' |
| the undersigned, holding ars and the State or Providering the period 2/12/88 would are and belief, the Comport in accordance with the By signing this certification of the examination. | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp to Owner has performed examinations a the requirements of the ASME Code, | ERVICE INSPECTION National Board of Boild and employed by HS ected the components de 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | er and Pressure Vessel Inspec- B I&I scribed in this Owner's Report d state that to the best of my sures described in this Owner' arranty, expressed or implied, . Furthermore, neither the |
| the undersigned, holding ors and the State or Provide Hartford 2/12/88 nowledge and belief, the Caport in accordance with the By signing this certification on the examination aspector nor his employer | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp to Owner has performed examinations a the requirements of the ASME Code, ficate neither the Inspector nor his and corrective measures describe | ERVICE INSPECTION National Board of Boild and employed by HS ected the components de 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | er and Pressure Vessel Inspec- B I&I scribed in this Owner's Report d state that to the best of my sures described in this Owner' arranty, expressed or implied, . Furthermore, neither the |
| the undersigned, holding are and the State or Providers and the State or Providering the period 2/12/88 would be and belief, the Comport in accordance with the By signing this certification of the examination aspector nor his employer by kind arising from or composite the state of the state | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp to 2 Owner has performed examinations at the requirements of the ASME Code, ficate neither the Inspector nor his and corrective measures describe shall be liable in any manner for onnected with this inspection. | ERVICE INSPECTION National Board of Boil- and employed by HSI ected the components de 2 | er and Pressure Vessel Inspec- B I&I scribed in this Owner's Report d state that to the best of my sures described in this Owner' arranty, expressed or implied, . Furthermore, neither the |
| the undersigned, holding are and the State or Provide Hartford (17) and the period (17) are the period (17 | CERTIFICATE OF INS a valid commission issued by the ince of Connecticut have insp to 2 Owner has performed examinations at the requirements of the ASME Code, ficate neither the Inspector nor his and corrective measures describe shall be liable in any manner for onnected with this inspection. | ERVICE INSPECTION National Board of Boiling and employed by HS ected the components de La | er and Pressure Vessel Inspect B [&] scribed in this Owner's Report d state that to the best of m sures described in this Owner arranty, expressed or implied . Furthermore, neither the |

| | Maria | | | | | | |
|----------------------------------------|------------------------------------------------------------|-----------------|------------------------------------------------------|----------------------------------------------------------------------|----------------------------|------------------------------------------|-------------------------------------------|
| | Name | | | | | | |
| P.0 | Box 123, Waterfor | rd. CT | | Sheet | 1 0 | f 2 | |
| - 1,0, | Addr | | | | | | |
| | | | | | | | |
| . Plant _ | Millstone Nuclea | | <u> </u> | Unit _ | | | |
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | rd, CT | | M3-8 | 7-16089 | | |
| | | ress | | A | uthorized Wo | rk Order Number | |
| | | | | | | | |
| . Work Pe | rformed by C. Name | | | | | | |
| | 1401110 | | | | | | |
| Merid | en, CT | | | | | | |
| | Addr | ress | | | | | |
| . Identif | testing of Course | - CWD | | | | | |
| | ication of System | OH! | | | | | |
| | | | | | | | |
| | plicable Construc | ction Code ASI | ME III | 1971 Edition, | W72 A | ddenda, N/A | Code Cas |
| i. (a) Ap | | | | 1971 Edition, or Repairs or Repl. | | | _ Code Cas |
| i. (a) Ap | | | | | | | _ Code Cas |
| (a) Ap | plicable Edition | of Section XI | Utilized f | | acements 198 | | _ Code Cas |
| (a) Ap | plicable Edition | of Section XI | Utilized f | or Repairs or Repl | acements 198 | | |
| (a) Ap | plicable Edition | of Section XI | Utilized f | or Repairs or Repl | acements 198 | | ASME Code |
| (a) Ap | plicable Edition | of Section XI | Utilized f | or Repairs or Repl d and Replacement (| acements 198 | | ASME |
| (a) Ap (b) Ap | plicable Edition | of Section XI | Utilized f | or Repairs or Repl d and Replacement (| acements 198 | 3, \$83 | ASME Code |
| (a) Ap (b) Ap 6. Identif | plicable Edition | of Section XI | Utilized f or Replace National | or Repairs or Repl d and Replacement (| acements 198 Components | Repaired, | ASME Code Stamped |
| (a) Ap (b) Ap (b) Ap (b) Ap (component | plicable Edition ication of Compor | of Section XI | Utilized f or Replace National Board | or Repairs or Repl d and Replacement (| Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (a) Ap (b) Ap (b) Ap (b) Ap (component | plicable Edition ication of Compor | of Section XI | Utilized f or Replace National Board | or Repairs or Repl d and Replacement (| Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (a) Ap | plicable Edition ication of Compor | of Section XI | Utilized f or Replace National Board | or Repairs or Repl d and Replacement (| Components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (a) Ap (b) Ap (b) Ap (c) Identif | plicable Edition ication of Compor Name of Manufacturer | of Section XI I | Utilized f or Replace National Board No. | or Repairs or Repl d and Replacement (Other Identification | Components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

FORM NIS-2 (Back) Remarks Hydro performed under AWO-M3-87-16354 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Repair conforms to the Repair or replacement rules of the ASME Code, Section XI. CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 of Hartford have inspected the components described in this Owner's Report during the period 3/7/88 to 4/2.75, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection.

Inspector's 94gnature Commissions CT/1/9

National Board, State, Province, and Endorsements

Date 4.22 1988

| | Northeast Utilit | ias Sarvina Co. | | Date | 3/25/88 | | |
|----------------------------------------|---------------------------------------------|---------------------------------------------|--------------------------|--------------------------------------------|-----------------------|------------------------------------------------|-------------------------------------------|
| . Owner | Name Name | | | | | | |
| _ P. C |). Box 128, Waterfor | - | | Sheet | 1 | of 2 | |
| . Plant | Millstone Nuclea | r Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P. (| O. Box 128, Waterfor | d, CT 06385 | | M3-8 | 37-04138 | | |
| | Addr | | | , , , , , , , , , , , , , , , , , , , | Authorized W | ork Order Number | |
| . Work | Performed by Mill | stone Station | | | | | |
| | Name | | | | | | |
| P. (| O. Box 128, Waterfor | d, CT | | | | | |
| | Addr | district in the second second second second | | | | | |
| . Ident | tification of System | Service Wate | r | | | | tel to |
| (6) | Applicable Edition | of Section XI U | Itilized for | r Repairs or Repl | lacements 19 | 83, 583 | |
| | Applicable Edition tification of Compon | | | | | 83, 583 | ASME |
| . Ident | tification of Compon | | | | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| Name of | tification of Compon | ents Repaired o | National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of omponent | tification of Compon | ents Repaired o | National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of component | tification of Compon | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent SWP* | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent SWP* | tification of Compon | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent SWP* 705 | Name of Manufacturer * | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component SWP* 705 Studs = (| Name of Manufacturer * | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent SWP* 705 Studs = (| Name of Manufacturer * Ovako Oyab ob SMIT | Manufacturer Serial No. | National Board No. | Other Identification N/A and Nuts due to | Year Built 1982 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |

E: Supplemental sheets in form of lists, sketc on or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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| 200 | W.17 | 4.3 | 130.0 | 40 | 6 1 | 20 | wite. |

| . Remarks None | |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements ma | ade in the report are correct and this conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. | |
| The land | Ast Eng Super Date 7/21, 19 ff |
| Signed Owner's Design | nee. Title |
| | |
| | |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | |
| I, the undersigned, holding a valid co | ommission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of | and employed by Min I'm |
| of | and employed by High I I have inspected the components described in this Owner's Report to 4228 , and state that to the best of my |
| browledge and helief the Owner has no | erformed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirem | |
| | |
| By signing this certificate neith | her the Inspector nor his employer makes any warranty, expressed or implied, |
| concerning the examinations and correct | ctive measures described in the Owner's Report. Furthermore, neither the |
| | iable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected wit | |
| Ro men | Commissions CT/// 9 |
| Inspector's Signature | Commissions CT/// National Board, State, Province, and Endorsements |
| ()) | 76 |
| Date 4:22 19.8 | |
| | |

| Owner _ | Northeast Utilit | ties Service Co. | | Date | 3/28/88 | | |
|---------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|
| | Name | • | | | | | |
| P.O. | P.O. Box 128, Waterford, CT 06385 | | | Sheet _ | 1 0 | f 2 | |
| | Addr | ress | | | | | |
| Plant | Millstone Nuclea | ar Power Station | | Unit | 111 | | |
| | Name | е | | | | | |
| P.O. | Box 128, Waterfor | rd, CT 06385 | | | -00965/0096 | | |
| | Add | ress | | Au | thorized Wo | ork Order Number | |
| Work Pe | rformed byMil | Istone Station | | | | | |
| | Name | е | | | | | |
| P.0. | Box 128, Waterfo | rd, CT | | | | | |
| | Add | ress | | | | | |
| Identif | ication of System | m Component Co | soling Wate | r | | | |
| | | | | | | | |
| | A S A A | sales Cade ACN | E 111 | 1071 Edition | 073 | ddands N/A | Code Cas |
| | plicable Constru | | | | | | _ code cas |
| | | | | r Repairs or Repla | | | _ code cas |
| (b) Ap | plicable Edition | of Section XI U | Jtilized fo | | cements 198 | | _ code cas |
| (b) Ap | plicable Edition | of Section XI U | Jtilized fo | r Repairs or Repla | cements 198 | | |
| (b) Ap | plicable Edition | of Section XI U | Jtilized fo | r Repairs or Repla | cements 198 | | ASME Code |
| (b) Ap | plicable Edition | of Section XI U | Jtilized fo | r Repairs or Repla | cements 198 | | ASME |
| (b) Ap | plicable Edition | of Section XI U | Utilized fo | r Repairs or Repla | cements 198 | 33, 583 | ASME Code Stamped (Yes |
| (b) Ap | plicable Edition ication of Compa Name of | of Section XI U | Or Replaced National | r Repairs or Repla | cements 198 | Repaired, | ASME Code Stamped |
| (b) Ap | plicable Edition ication of Compa Name of | of Section XI Unents Repaired o | Ptilized for Pr Replaced National Board | r Repairs or Repla d and Replacement C | cements 198 omponents Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Ap Identif | plicable Edition ication of Compa Name of | of Section XI Unents Repaired o | Ptilized for Pr Replaced National Board | r Repairs or Repla d and Replacement C | cements 198 omponents Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Ap Identif | Name of Manufacturer | of Section XI U nents Repaired of Manufacturer Serial No. | National Board | Repairs or Replatement Control of ther Identification | cements 198 components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Ap Identif | Name of Manufacturer | of Section XI Unents Repaired of Manufacturer Serial No. | National Board No. | Other Identification | cements 198 omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Ap | Name of Manufacturer Yuba | of Section XI Unents Repaired of Manufacturer Serial No. | National Board No. | Other Identification N/A | year Built | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) Yes |
| (b) Ap Identif | Name of Manufacturer Yuba Yuba | of Section XI Unents Repaired of Manufacturer Serial No. 73-N-005-1A 73-N-005-1C | National Board No. | Other Identification N/A N/A | year Built 1977 1977 | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) Yes |
| (b) Ap Identif | Name of Manufacturer Yuba Yuba Yuba | of Section XI Unents Repaired of Manufacturer Serial No. 73-N-005-1A 73-N-005-1C | National Board No. 2632 2632 2633 | Other Identification N/A N/A N/A Bolts with Studs a | year Built 1977 1977 1977 | Repaired, Replaced, or Replacement Replacement Replacement | ASME Code Stamped (Yes Or No) Yes Yes |
| (b) Ap Identif ame of mponent CP A B C | Name of Manufacturer Yuba Yuba Yuba | of Section XI Unents Repaired of Manufacturer Serial No. 73-N-005-1A 73-N-005-1C | National Board No. 2632 2632 2633 | Other Identification N/A N/A N/A Bolts with Studs a | year Built 1977 1977 1977 | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) Yes Yes |

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

| FORM NIS-2 (Back) |
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| |
| 9. Remarks None |
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| |
| CERTIFICATE OF COMPLIANCE |
| |
| We certify that the statements made in the report are correct and this Replacement conforms to the |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Tuly Ast En S.p. Date 7/21, 19 St Owner's Designee, Title |
| Signed / ary |
| Owner's Designee, little |
| |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of CT and employed by 158 2 4 5 |
| tors and the State or Province of CT and employed by $\frac{758}{2.2}$ $\frac{2.2}{2}$ of $\frac{11.476.24}{2.28}$ have inspected the components described in this Owner's Report during the period $\frac{2.1.88}{2.2.28}$, and state that to the best of my |
| during the period 3.1.88 to \$22.78, and state that to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| P 2) |
| Commissions C7/1/3 Inspector's Signature National Board, State, Province, and Endorsements |
| Inspector's Signature National Board, State, Province, and Endorsements |
| 4/31 |
| Date 42 19 88 |

| Owner No | ortheast Utilit | ties Service Co. | | Date | 4/11/88 | | |
|--------------|-----------------|------------------|-----------|----------------------|-------------|--------------------|--------------|
| | Name | | | | | | |
| P.O. Box | 128, Waterfor | | | Sheet _ | 1 | of 2 | |
| | Addi | ress | | | | | |
| Plant Mi | 11stone Static | on | | Unit | 3 | | |
| | Name | | | | | | |
| P.O. Box | 128, Waterfo | rd. CT | | M3-87 | -18405 | | |
| | | ress | | Auth | orized Work | k Order Number | 1. |
| was been | W/1 | Section | | | | | |
| Work Perio | Named by Name | e Station | | | | | |
| | | | | | | | |
| P.O. Box | x 128, Waterfo | rd, CT ress | | | | | |
| | 200 | | | | | | |
| Identifica | ation of Syste | m Component Co | oling Wat | ter | بخبيتن | | |
| | | | | | | Addands N/A | Code Ca |
| | | | | for Repairs or Repla | | | - |
|) (U) APP. | icable carelon | 0. 0000.00 | | to happing at higher | - | | |
| Identifica | ation of Compo | nents Repaired o | r Replace | ed and Replacement C | omponents | | |
| | | | | | | eran Labrary ford | |
| | | | | | | | ASME Code |
| | | | Nationa | | | Repaired, | Stampe |
| ame of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| mponent | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | Or No) |
| CP-002-526-3 | US Steel | L82899 | N/A | 12179-CP-372024 | 1985 | Replacement | Yes |
| | | | | | .005 | | |
| CP-150-91-3 | Permutit | 3306 | N/A | 12179-CP-372074 | 1985 | Replacement | Yes |
| -372074-H05 | Stone & | N/A | N/A | 12179-CP-372074 | 1985 | Replacement | Yes |
| | Wahabaa | | | | | | |
| | Webster | | | | | | |
| -372074-H001 | Stone & | N/A | N/A | 12179-CP-372074 | 1985 | Replacement | Yes |
| | Webster | | | | | | |
| | Hebster | | | | | | |
| Descripti | on of Work R | emoval and rein | stallatio | n of piping and supp | orts | | |
| Tests Con | ducted: Hyd | rostatic /x / | Pneum | atic /_/ | Nominal On | erating Pressure / | |
| 10000 000 | 222.000 1790 | | | ARRE | | | |
| , | Oth | er <u>/x</u> / L | P Press | ure _ <15 | osi Te | st Temp. N/A | - ° F |
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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 85 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| | FORM NIS-2 (Back) |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| . Remarks Piping and supports were | removed to facilitate reactor coolant pump removal. |
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| | CERTIFICATE OF COMPLIANCE |
| We cartify that the statements mad | e in the report are correct and this Replacement conforms to the |
| no solvery side one observed her | Repair or replacement |
| rules of the ASME Code, Section XI. | |
| signed Tulique | Ast Eng Supe Date 4/21, 19 88 |
| Owner or Owner's Designe | e, Title |
| | |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | The state of the s |
| 1, the undersigned, holding a valid com tors and the State or Province of Conne | whission issued by the National Board of Boiler and Pressure Vessel Inspec- acticut and employed by HSB [&] |
| of Hartford | have inspected the components described in this Owner's Report to April 12, 1988, and state that to the best of my |
| during the period April 12, 1988 | to April 12, 1988 , and state that to the best of my |
| knowledge and belief, the Owner has per | formed examinations and taken corrective measures described in this Owner |
| Report in accordance with the requireme | ints of the ASME Code, Section XI. |
| By signing this certificate neithe | er the inspector nor his employer makes any warranty, expressed or implied, |
| | tive measures described in the Owner's Report. Furthermore, neither the |
| | ble in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with | |
| 102~ | Commissions CT/1/7 |
| Inspector's Signature | National Board, State, Province, and Endorsements |
| | |

| 1. Owner Northeast Utilities Servi | Owner Northeast Utilities Service Co. Name | | | Date 4/11/88 | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------|-----------------------------|---------------------------------------------------------|------------------------------------------|--|--|--|
| P.O. Box 128, Waterford, CT Address | | Sheet _ | 1 | of 2 | | | | |
| . Plant Millstone Station Name | | Unit | Lit | | | | | |
| P.O. Box 128, Waterford, CT Address | | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1997 | -18021 orized Worl | Order Number | | | | |
| 3. Work Performed by Millstone Sta | etion | | | | | | | |
| P.O. Box 128, Waterford, CT Address | | | | | | | | |
| 4. Identification of System Compon | nent Cooling Wate | | | | | | | |
| (a) Applicable Construction Code (b) Applicable Edition of Section | | | | 83, 883 | | | | |
| (b) Applicable Edition of Sections. Identification of Components Repairs. Name of Name of Manufact | National Nard | and Replacement C | omponents | Repaired, Replaced, | ASME Code Stamped (Yes | | | |
| (b) Applicable Edition of Section 6. Identification of Components Repair Name of Name of Manufact Component Manufacturer Serial | National turer Board No. No. | and Replacement C | omponents | Repaired, | Code Stamped | | | |
| (b) Applicable Edition of Section 6. Identification of Components Repair Name of Name of Manufact Component Manufacturer Serial | National turer Board No. No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) | | | |
| (b) Applicable Edition of Sections. S. Identification of Components Repairs. Name of Name of Manufact Component Manufacturer Serial | National turer Board No. No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) | | | |
| (b) Applicable Edition of Section 6. Identification of Components Repair Name of Name of Manufact Component Manufacturer Serial 3CCP-002-527-3 US Steel L20273 | National turer Board No. No. | Other Identification | Year Built 1985 | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) | | | |
| (b) Applicable Edition of Section 6. Identification of Components Repair Name of Name of Manufact Component Manufacturer Serial 3CCP-002-527-3 US Steel L20273 7. Description of Work Piping removes 8. 7ests Conducted: Hydrostatic | National turer Board No. No. N/A | Other Identification 12179-CP-37205 | Year Built 1985 RCP remova | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes | | | |

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

| FORM NIS-2 (Back) |
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| Remarks None |
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| CERTIFICATE OF COMPLIANCE |
| |
| We certify that the statements made in the report are correct and this Replacement conforms to to |
| and the ASMS Andre Section VI |
| Signed Tuly Asit Eng Sopu Date 7/Li , 19 P |
| Owner's Designee. Title |
| |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| The second Processes Vestal Inspec |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspet tors and the State or Province of Connecticut and employed by HSB 1&1 |
| of Hartford have inspected the components described in this Owner's Repo |
| during the period |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 implie |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| n 77 |
| Inspector's Signature Commissions CT///9 National Board, State, Province, and Endorsements |
| |
| Date 4-12 19 88 |
| |

ATTACHMENT 3

ATTACHMENT 3

Repair/Replacement of Supports

- 1) Replacement of snubbers during March outage.
- Replacement of snubbers juring November outage.
- 3) Elimination of supports by PDCR MP3-87-050.
- 4) Snubbers replaced by struts by PDCR MP3-87-050.
- 5) Functional testing of large bore snubber PDCR MP3-87-051.
- 6) Elmination of supports by PDCR MP3-87-052.
- 7) Snubbers replaced by struts by PDCR MP3-87-052.
- 8) Replacement of large bore snubber.
- 9) Modifications to Reactor Coolant Supports.
- 10) Repair of MSS-4-PSSP-485 end support.
- 11) Modifications to main steam supports.
- Replacement of bolt on SIL-1-PSSP-988.
- 13) Modification of Service Water Supports.
- 14) Installationof Seismic Supports (Diesel Fuel Oil).
- 15) Installation of new supports (Diesel Lube 0il).
- 16) Replacement of nut on component cooling water.
- 17) Modification to Service Water 35WP-6-PSR-214/226/227.
- 18) Replacement of 3SWP-PSA-033.
- 19) Modification CRDM Lateral Support Strut Pin.

| 1. Owner Nor | theast Utilit | ies Service C | 0. | Date | 9/12/87 | | |
|-----------------|-----------------------|----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-------------|
| | Name | | | | | | |
| P.O. Box | 128, Waterfor | d, CT 06385 | | Sheet | 1 | of 3 | |
| | Address | | | | | | |
| 2. Plant Mil | istone Nuclea | r Power Static | on | Unit | 111 | | |
| | Name | | | | | | |
| 2.0 | * 20 Water 6 and | 4 07 00305 | | See 8 | e1ow | | |
| P.U. Box | 128, Waterfor Addr | | | MARKET STATES OF THE PARTY NAMED IN COLUMN 2 IN COLUMN | Action of the second | ork Order Number | |
| | | | | | | | |
| 3. Work Perfor | | stone Station | | - | | | |
| | Name | | | | | | |
| P.O. Box | 128, Waterfor | d, CT | | | | | |
| + 1. | Addr | ess | | | | | |
| 4. Identificat | ion of System | see Below | | | | | |
| 7,000,000 | | | | | | | |
| | | | | | | | _ Code Case |
| (b) Applic | able Edition | of Section X1 | Utilized f | or Repairs or Repla | cements 19 | 83, 583 | |
| | | Deserted | ar Danlar | w and Continuous C | | | |
| e. Identificat | ion of compor | nents Repaired | or keplace | d and Replacement C | omponents | | |
| | | | | | | | ASME |
| | | | | | | | Code |
| | | | Removed | Other | | Repaired, | Stamped |
| | Name of | Installed | Serial | dentification | Year | Replaced, | (Yes |
| Component M | anufacturer | Serial No. | No. | (AWO No.) | Built | or Replacement | Or No) |
| CHS-1-PSSP-1058 | * | 7802 | 25108 | MP-87-01459 | 1985 | Replacement | Yes |
| 0110 + D000 701 | 7.0 | 5021 | 24.070 | HD-07-01/60 | 1985 | Replacement | Yes |
| CHS-1-PSSP-721 | | 5971 | 34078 | MP-87-01460 | 1703 | Rep a cement | 163 |
| RCS-1-PSSP-325 | * | 6556 | 34715 | MP-87-01457 | 1985 | Replacement | Yes |
| RCS+1-PSSP-434 | | 22238 | 23131 | MP-87-01456 | 1985 | Replacement | Yes |
| KC3-1-P33P-434 | | 22230 | 63131 | MF-07-01436 | 1702 | Reprocement | 165 |
| SIL-1-PSSP-436 | * | 2906 | 2888 | MP-87-01430 | 1985 | Replacement | Yes |
| RCS-1-PSSP-435 | | 7113 | 34806 | MP-87-01461 | 1985 | Replacement | Yes |
| | | | | | | | |
| SIL-1-PSSP-438 | * | 349 | 9126 | MP-87-01397 | 1985 | Replacement | Yes |
| RCS-1-PSSP-914 | | 6982 | 35016 | MP-87-01396 | 1985 | Replacement | Yes |
| | | | | | | | |
| -1-PSSP-469 | * | 5944 | 34152 | MP+87+01395 | 1985 | Replacement | Yes |

*ITT Grinnell

Identification of Components Repaired or Replaced and Replacement Components (Cont'd)

| | Name of Manufacturer | installed Serial No. | Removed Serial No. | Other Identification (AWO No.) | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
|-----------------|-------------------------|-------------------------|--------------------------|--------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| CS-1-PSSP-027 | * | 6705 | 29041 | MP-87-01423 | 1985 | Replacement | Yes |
| RCS-1-PSSP-470 | * | 6740 | 34166 | MP-87-01400 | 1985 | Replacement | Yes |
| RCS-1-PSSP-0111 | * | 11367 | 15871 | MP-87-01392 | 1985 | Replacement | Yes |
| RCS-1-PSSP-1519 | * | 9036 | 23817 | MP-87-01424 | 1985 | Replacement | Yes |
| RCS-1-PSSP-236 | * | 6394 | 34808 | MP-87-01425 | 1985 | Replacement | Yes |
| RCS-1-PSSP-239 | * | 35501 | 34815 | MP-87-01426 | 1985 | Replacement | Yes |
| RCS-1-PSSP-150 | | 2874 | 2806 | MP-87-01427 | 1985 | Replacement | Yes |
| SIL-1-PSSP-472 | | 309 | 26279 | MP-87-10429 | 1985 | Replacement | Yes |
| SIL-1-PSSP-414 | * | 11374 | 7778 | MP-87-01428 | 1985 | Replacement | Yes |
| | | 7271 | 18891 | MP-87-01398 | 1985 | Replacement | Yes |

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

| | CERTIFICATE OF COMPLIANCE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We certify that the statement | s made in the report are correct and this Replacement conforms to the |
| rules of the ASME Code, Section XI | |
| Signed Owner's De | Ast Eng Sup Date 4ho 1988 |
| omet or other 3 de | signee, Title |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a vali | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| the undersigned, holding a vali tors and the State or Province of Of Hartford | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- Connecticut and employed by HSB 1&1 |
| the undersigned, holding a valitors and the State or Province of Hartford during the period 2/8/88 knowledge and belief, the Owner ha | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- Connecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to Y-J1-JV, and state that to the best of my |
| the undersigned, holding a validators and the State or Province of Hartford during the period 2/8/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and collapsector nor his employer shall be | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to Y.J. I and state that to the best of my sperformed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. Weither the Inspector nor his employer makes any warranty, expressed or implied, prective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| the undersigned, holding a validators and the State or Province of Hartford during the period 2/8/88 knowledge and belief, the Owner has Report in accordance with the requirements by signing this certificate in concerning the examinations and collapsector nor his employer shall being kind arising from or connected | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection. and employed by HSB 1&1 have inspected the components described in this Owner's Report to Y-3/-1/2 and state that to the best of my is performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. Weither the Inspector nor his employer makes any warranty, expressed or implied, prective measures described in the Owner's Report. Furthermore, neither the reliable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| the undersigned, holding a validators and the State or Province of of Hartford during the period 2/8/88 knowledge and belief, the Owner has Report in accordance with the requirement of the sequence of the s | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to Y.J. In and state that to the best of my is performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. Weither the Inspector nor his employer makes any warranty, expressed or implied, prective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |

| | 2000 July 2 | | | 10/00/07 | | |
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| | |). | Uate | 12/29/8/ | | |
| | | | | | | |
| | | | Sheet _ | 1 0 | f <u>3</u> | |
| Addr | ress | | | | | |
| stone Nuclea | ar Power Statio | on | Unit | 111 | | |
| Name | • | | | | | |
| 28 Waterfor | rd CT 06385 | | See 8 | elow | | |
| | | | THE RESERVE AND PARTY AND | | ork Order Number | |
| | | | | | | |
| | | | | | | |
| Name | | | | | | |
| 28, Waterfor | rd, CT | | | | | |
| Addi | ress | | | | | |
| on of System | n See Below | | | | | |
| | | | | | | |
| | | | | | | _ Code Case |
| ble Edition | of Section XI | Utilized for | or Repairs or Repla | cements 19 | 83, 583 | |
| | | | | | | |
| on of Compo | nents Repaired | or Keplace | d and Replacement C | omponents | | |
| | | | | | | ASME |
| | | | | | | Code |
| Vers of | 10-8-33-4 | | | Value | | Stamped |
| | | | | | | (Yes Or No) |
| 11010000101 | 00/70/70/ | | an M.73 | 00110 | or neprocesses | |
| * | 11876 | 4820 | MP-88-00138 | 1985 | Replacement | Yes |
| | 11949 | 6304 | MP-88-00137 | 1985 | Senlacement | Yes |
| | 17040 | 4334 | NF-00-00137 | 1303 | nepracement. | 100 |
| * | 4394 | 4409 | MP-88-00141 | 1985 | Replacement | Yes |
| | 7155 | 20000 | WD-07-05-65 | 1005 | Danit | V |
| | 7156 | 33526 | MP-87-05845 | 1963 | Replacement | Yes |
| * | 13751 | 5689 | MP-87-06034 | 1985 | Replacement | Yes |
| | | | | | | |
| * | 9303 | 2874 | MP-87-05850 | 1985 | Replacement | Yes |
| | 22241 | 23809 | MP-87-05849 | 1985 | Replacement | Yes |
| | | | | | | |
| * | 7219 | 20713 | MP-87-05848 | 1985 | Replacement | Yes |
| | 0021 | 16540 | MD-07-05051 | 1005 | Danlagania | Was |
| | 9021 | 16340 | MP-07-05851 | 1985 | Replacement | Yes |
| * | 16048 | 3181 | MP-87-04965 | 1985 | Replacement | Yes |
| The same of the sa | Name 28, Waterfor Address Name 4 * * * * * * * * * * * * | Name 28, Waterford, CT 06385 Address stone Nuclear Power Station Name 28, Waterford, CT 06385 Address ed by Millstone Station Name 28, Waterford, CT Address on of System See Below ble Construction Code Alble Edition of Section XI on of Components Repaired Name of Installed nufacturer Serial No. * 11876 * 11848 * 4394 * 7156 * 13751 * 9303 * 22241 * 9021 | 28, Waterford, CT 06385 | Name 28, Waterford, CT 06385 | Name 28, Waterford, CT 06385 Sheet 1 0 | Name See Sheet 1 |

Identification of Components Repaired or Replaced and Replacement Components (Cont'd)

| Caracter Co. | me of | Installed Serial No. | Removed Serial No. | Other Identification (AWO No.) | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
|-----------------|-------|-------------------------|--------------------------|--------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| CS-1-PSSF-1022 | * | 6741 | 29087 | MP-87-05012 | 1985 | Replacement | Yes |
| IH-1-PSSP-1029 | * | 11807 | 18713 | MP-87-05847 | 1985 | Replacement | Yes |
| IL-1-PSSP-0443 | * | 9251 | 2892 | MP-87-05031 | 1985 | Replacement | Yes |
| HS-4-PSSP-0406 | * | 2622 | 9624 | MP-87-05024 | 1985 | Replacement | Yes |
| CS-1-PSSP-1114 | * | 6694 | 6340 | MP-87-05017 | 1985 | Replacement | Yes |
| HS-1-PSSP-0414 | * | 11115 | 8797 | MP-87-06187 | 1985 | Replacement | Yes |
| CS-1-PSSP-0648 | * | 7232 | 22211 | MP-87-05846 | 1985 | Replacement | Yes |
| WP-2-PSSP-0410 | * | 13721 | 3189 | MP-87-05613 | 1985 | Replacement | Yes |
| P-394052-H001 | * | 7712 | 6737 | MP-87-4962 | 1985 | Replacement | Yes |
| 302762-H001 | * | 6393 | 10151 | MP-87-04959 | 1985 | Replacement | Yes |
| CS-1-PSSP-0134 | * | 20495 | 22541 | MP-87-04993 | 1985 | Replacement | Yes |
| CS-1-PSSP-0064 | * | 22481 | 23495 | MP-87-4991 | 1985 | Replacement | Yes |
| RCS-1-PSSP-0062 | * | 22483 | 23494 | MP-87-4990 | 1985 | Replacement | Yes |
| MSS-4-PSSP-0489 | * | 19547 | 23850 | MP-87-5607 | 1985 | Replacement | Yes |
| 1SS-4-PSSP-490 | * | 20520 | 23853 | MP-87-5608 | 1985 | Replacement | Yes |
| 4SS-4-PSSP-0486 | * | 8980 | 19458 | MP-87-04983 | 1985 | Replacement | Yes |
| ISS-4-PSSP-0492 | * | 22495 | 19418 | MP-87-5890 | 1985 | Replacement | Yes |
| TM-4-PSSP-0027 | * | 20990 | 23505 | MP-87-5606 | 1985 | Replacement | Yes |
| OTM-4-PSS-0030 | * | 8972 | 23504 | MP-87-5966 | 1985 | Replacement | Yes |
| RCS-1-PSSP-0065 | * | 22473 | 23493 | MP-87-4992 | 1985 | Replacement | Yes |

Other /X / Visual/Functional Pressure ______ psi Test Temp. _____°F

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 report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| |
| Remarks None |
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| |
| CERTIFICATE OF COMPLIANCE |
| |
| We certify that the statements made in the report are correct and this Replacement conforms to t |
| Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed Duly Ast En Sur Date 4/20, 19 66 Owner or Owner's Designee, Title |
| Owner or Owner's Designee, Title |
| |
| |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| tors and the State or Province of Connecticut |
| tors and the State or Province of Connecticut and employed by HSB [&] of Hartford have inspected the components described in this Owner's Repor |
| of Hartford have inspected the components described in this Owner's Report during the period $1/29/88$ to $9/3/-27$, and state that to the best of m |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| Rod 2 commissions CT1119 |
| |
| Inspector's Signature National Board, State, Province, and Endorsements |
| Date |
| |
| |

| Owner Northeast Utilities | | | Date | 2/4/88 | | |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Owner Northeast Utilities Name | THE SEC. OF | | _ | | | |
| 0.0 0. 100 Waterfeed | 64 | | Sheet | 1 of | 3 | |
| P.O. Box 128, Waterford, Address | | | Sueer _ | | | |
| | | | Unite | 117 | | |
| Plant Millstone Nuclear P | ower Station | | Unit | | | |
| | | | | | | |
| P.O. Box 128, Waterford, | | | MAN - PRINCIPAL | ttached shee | k Order Number | |
| Address | | | Au | thorized wor | k Order Number | |
| Work Performed by C. N. F | Tagg & Co. | | | | | |
| Name | | | | | | |
| | | | | | | |
| Address | | | | | | |
| | | | | | | |
| Identification of System | RCS | | | | | |
| (a) Applicable Construction (b) Applicable Edition of | | | | ACTION ASSESSMENT MARKET | enda, N/A , S83 | |
| (b) Applicable Edition of | Section XI Utiliz | ed for Repai | irs or Repla | cements 1983 | A AND THE PERSON NAMED OF | ASME |
| (b) Applicable Edition of | Section XI Utiliz | ed for Repai | irs or Repla | cements 1983 | A AND THE PERSON NAMED OF | ASME Code |
| (b) Applicable Edition of Identification of Component | Section XI Utiliz s Repaired or Rep Nati | ed for Repai placed and Re | rs or Repla | cements 1983 | , S83 Repaired, | Code Stamped |
| (b) Applicable Edition of Identification of Component Name of Name of Ma | Section XI Utiliz s Repaired or Rep Nati | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component ame of Name of Ma | Section XI Utiliz s Repaired or Rep Nati | ed for Repai placed and Re ional ard Ot | rs or Repla | cements 1983 | , S83 Repaired, | Code Stamped |
| (b) Applicable Edition of Identification of Component ame of Name of Ma | Section XI Utiliz s Repaired or Rep National Repaired Serial No. No. | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component ame of Name of Manufacturer S | Section XI Utiliz s Repaired or Rep National Repaired Serial No. No. | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component ame of Name of Ma mponent Manufacturer S | Section XI Utiliz s Repaired or Rep National Repaired Serial No. No. | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component ame of Name of Ma mponent Manufacturer S | Section XI Utiliz s Repaired or Rep National Repaired Serial No. No. | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, | Code Stamped (Yes |
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| (b) Applicable Edition of Identification of Component Iame of Name of Ma Imponent Manufacturer S | Section XI Utiliz s Repaired or Rep National Repaired Serial No. No. | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component ame of Name of Manufacturer S | Section XI Utiliz s Repaired or Rep National Repaired Serial No. No. | ed for Repai placed and Re ional ard Ot | rs or Repla eplacement C | Components Year | Repaired, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component ame of Name of Ma mponent Manufacturer S See Att | Section XI Utiliz s Repaired or Rep National Section No. | ional and Oto identi | rs or Repla | cements 1983 Components Year Built | Repaired, | Code Stamped (Yes |
| (b) Applicable Edition of Identification of Component Iame of Name of Ma Imponent Manufacturer S See Att Description of Work Elimi | Section XI Utilizes Repaired or Repaired or Repaired or Repaired or Repaired or Repaired National Section No. | ional and Oto Identi | ther ification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Applicable Edition of Identification of Component Name of Name of Ma omponent Manufacturer S See Att Tests Conducted: Hydrost | Section XI Utilizes Repaired or Repaired or Repaired or Repaired or Repaired or Repaired National Section No. | rs/component: | ther ification | Year Built Nominal Oper | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 85 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Attachment



The following components have been eliminated:

| Designation | AWO Number | S/G Cube | Designation | AWO Number | S/G Cube |
|--------------------|---------------------|----------|-----------------|-------------|----------|
| RCS-1-PSSP-297 | MP-87-11900 | В | RCS-1-PSSP-321 | MP-87-11913 | D |
| RCS-1-PSSP-298 | MP-87-11900 | 8 | RCS-1-PSSP-322 | MP-87-11913 | 0 |
| RCS-1-PSSP-300 | MP-87-11900 | В | RCS-1-PSSP-324 | MP-87-11913 | D |
| RCS-1-PSSP-301 | MP-87-11900 | 8 | RCS-1-PSSP-325 | MP-87-11913 | D |
| RCS-1-PSSP-1232 | MP-87-11900 | В | RCS-1-PSSP-1236 | MP-87-11913 | D |
| RCS-1-PSSP-299 | MP-87-11900 | В | RCS-1-PSSH-323 | MP-87-11913 | D |
| RCS-1-PSST-308 | MP-87-11900 | 8 | RCS-1-PSSH-332 | MP-87-11913 | D |
| RCS-1-PSSP-285 | MP-87-11891 | A | RCS-1-PSSP-309 | MP-87-11908 | C |
| RCS-1-PSSP-286 | MP-87-11891 | A | RCS-1-PSSP-310 | MP-87-11908 | C |
| RCS-1-PSSP-288 | MP+87-11891 | A | RCS-1-PSSP-312 | MP-87-11908 | C |
| RCS-1-PSSP-289 | MP-87-11891 | A | RCS-1-PSSP-313 | MP-87-11908 | C |
| RCS-1-PSSP-1230 | MP+87+11891 | A | RCS-1-PSSP-1234 | MP-87-11908 | C |
| RCS-1-PSSH-287 | MP-87-11891 | Α | RCS-1-PSSH-311 | MP-87-11908 | C |
| RCS-1-PSST-296 | MP-87-11891 | A | RCS-1-PSST-320 | MP-87-11908 | С |
| The following have | eliminated the L.C. | Rating: | | | |
| -1-PSST-305 | MP-87-11900 | 8 | RCS-1-PSST-329 | MP-87-11913 | D |
| -1-PSST-293 | MP-87-11891 | A | RCS-1-PSST-317 | MP-87-1198 | C |
| | | | | | |

| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Signed TWG Owner of Dener's Designee, little CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 of Hartford have inspected the components described in this Owner's Report during the period 2/16/88 to yellow and state that to the best of a knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the | | |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Signed TWG Owner of Dener's Designee, little CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 of Hartford have inspected the components described in this Owner's Report during the period 2/16/88 to yellow and state that to the best of a knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the | | |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Signed TWG | | |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Signed TWG | | |
| Repair or replacement Signed The ASME Code, Section XI. Signed Owner of Dwner's Designee, little CERTIFICATE OF INSERVICE INSPECTION CERTIFICATE OF INSERVICE INSPECTION CERTIFICATE OF INSERVICE INSPECTION And employed by HSB 1&1 of Hartford have inspected the components described in this Owner's Report during the period 2/16/88 to y-d-1-1-1, and state that to the best of reknowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the | | CERTIFICATE OF COMPLIANCE |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 of Hartford have inspected the components described in this Owner's Report during the period 2/16/88 to Y-1-1 , and state that to the best of a knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the | | Repair or replacement |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB 1&1 of Hartford have inspected the components described in this Owner's Report during the period 2/16/88 to Y-1-1-1 , and state that to the best of a knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the | | |
| have inspected the components described in this Owner's Report during the period 2/16/88 to y -> | Owner of Owner's Des | ignee, little |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the | The undersigned, holding a valid | CERTIFICATE OF INSERVICE INSPECTION commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| 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 the Owner's Report. Furthermore, neither the | The undersigned, holding a valid tors and the State or Province of C | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the | tors and the State or Province of Conference of Hartford during the period2/16/88 | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to y + 1 - 1 , and state that to the best of my |
| any kind arising from or connected with this inspection. | tors and the State or Province of Cof Hartford during the period 2/16/88 knowledge and belief, the Owner has | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectionnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to y directly and state that to the best of my sperformed examinations and taken corrective measures described in this Owner's |
| Rozer commissions CT1119 | the undersigned, holding a valid tors and the State or Province of Good Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirements of the examinations and continuous concerning the examinations and continuous continuo | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to y die y and state that to the best of my sperformed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. When the inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the beliable in any manner for any personal injury, property damage, or a loss of |
| Inspector's Signature National Board, State, Province, and Endorsements | the undersigned, holding a valid tors and the State or Province of Good Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirements of the examinations and continuous concerning the examinations and continuous continuo | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectionnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to y + 1 - 1 , and state that to the best of my sperformed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. When the inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the beliable in any manner for any personal injury, property damage, or a loss of |

| . Plant | Name Name Name Name Name Name Name Address Millstone Nuclear Power Station | | neet o | f <u>3</u> | |
|---------|------------------------------------------------------------------------------------|-------------------------|------------------|-----------------|---------|
| . Plant | Address Millstone Nuclear Power Station | | neet _1 o | f <u>3</u> | |
| Plant | Address Millstone Nuclear Power Station | | | | |
| | | | | | |
| | | | | | |
| | | | nit | | |
| | Name | | | | |
| 0.0 |). Box 128, Waterford, CT | | See attached she | et | |
| | Address | | | rk Order Number | 111 |
| | | | | | |
| Work | Performed by C. N. Flagg & Co. | | | | |
| | Name | | | | |
| Mar | idea CT | | | | |
| Mer | iden, CT Address | | | | |
| | | | | | |
| . Ident | ification of System RCS | | | | |
| dent | tification of Components Repaired | or keplaced and keplace | ment components | | ASME |
| | | | | | Code |
| | | National | | Repaired, | Stamped |
| Name of | Name of Manufacturer | Board Other | Year | Replaced, | (Yes |
| mponent | Manufacturer Serial No. | No. Identificat | ion Built | or Replacement | Or No) |
| | See Attached | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| Descr | ription of Work Replacement of s | nubbers with struts IAW | PDCR #3-87-50. | | |
| | ription of Work Replacement of s | | | rating Pressure | 1_1 |

E: 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 report is included on each sheet, and (3) each sheet is number 2 and the

number of sheets is recorded at the top of this form.

Attachment

PDCR Number 3-87-050, "Snubber Reduction"

The following snubbers have been replaced by struts:

| Snubber Designation | AWO Number | S/G Cube | New Designation |
|---------------------|-------------|----------|-----------------|
| RCS-1-PSSP-302 | MP-87-11900 | В | RCS-1-PSST-302 |
| RCS-1-PSSP-304 | MP-87-11900 | В | RCS-1-PSST-304 |
| RCS-1-PSSP-306 | MP-87-11900 | В | RCS-1-PSST-306 |
| RCS-1-PSSP-326 | MP-87-11913 | D | RCS-1-PSST-326 |
| RCS-1-PSSP-328 | MP-87-11913 | D | RCS-1-PSST-328 |
| RCS-1-PSSP-330 | MP-87-11913 | D | RCS-1-PSST -330 |
| RCS-1-PSSP-290 | MP-87-11891 | A | RCS-1-PSST-290 |
| RCS-1-PSSP-292 | MP-87-11891 | A | RCS-1-PSST-292 |
| RCS-1-PSSP-294 | MP-87-11891 | A | RCS-1-PSST-294 |
| RCS-1-PSSP-314 | MP-87-11908 | c | RCS+1-PSST-314 |
| RCS-1-PSSP-316 | MP-87-11908 | c | RCS-1-PSST-316 |
| RCS-1-PSSP-318 | MP-87-11908 | C . | RCS-1-PSST-318 |

| | FORM NIS+2 (Back) |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9. Remarks None | |
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| | |
| h decidents sometimes | |
| | |
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| | |
| | CERTIFICATE OF COMPLIANCE |
| | in the report are correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. | |
| Stigned Truly | Ast Fig Syr Date 4/20, 19 88 |
| Suite of Suites a pestignes, | 17616 |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | CERTIFICATE OF TASERVICE TASPECTION |
| t, the undersigned, holding a valid commis | ssion issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of Connect | icut and employed by HSB 161 |
| during the period 2/16/88 | and employed by HSB 1&1 have inspected the components described in this Owner's Report to 421-1, and state that to the best of my rmed examinations and taken corrective measures described in this Owner's |
| knowledge and belief, the Owner has perfor | rmed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements | |
| | |
| By signing this certificate neither | the Inspector nor his employer makes any warranty, expressed or implied, |
| Inspector nor his amplementable be light | e measures described in the Owner's Report. Furthermore, neither the |
| any kind arising from or connected with the | e in any manner for any personal injury, property damage, or a loss of his inspection. |
| R = 3 | |
| Inspector's Signature | Commissions CT//9 |
| | National Board, State, Province, and Endorsements |
| Date # 2/ 19 8 | |
| | |
| | |

| 1. Owner | Owner Northeast Utilities Service Co. | | | Date | Date 2/4/88 | | | |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------|---------------|------------------------------------------|-------------------------------------------|--|
| | Name | | | | | | | |
| P.O. | Box 128, Waterfor | rd, CT 06385 | 33811 | Sheet _ | 1 . | of 3 | | |
| | Addr | | | | | | | |
| 2. Plant | Millstone Nuclea | ar Power Station | 0 | Unit | 111 | | | |
| | Name | Manager Street Control of Control | | | | | | |
| P.O. | P.O. Box 128, Waterford, CT 06385 | | | | elow | | | |
| Address | | | | Au | thorized Wo | ork Order Number | | |
| 3. Work Pe | erformed by Mill | stone Station | | Authori | zed Work Or | rder No(s). M3-87-142 | 28/M3-87- | |
| Name | | | | 1/175/W | 2-07-14220 | /N2 -07 -1 h 225 /N2 - 97 - 11 | 227/M2-87. | |
| P.O. | Box 128, Waterfor | rd, CT | | 161/3/M | 3-07-142297 | /M3-87-14226/M3-87-14 | 144//M3-0/ | |
| | | ress | | 14223/M | 3-87-14224/ | /M3-87-14221/M3-87-14 | 210/M3-87- | |
| | | | | 14199 | | | | |
| h ldankii | fication of System | - 005 | | | | | | |
| Name of | Name of Manufacturer | Manufacturer Serial No. | National Board | Other Identification (AWO No.) | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) | |
| | | | | | | | V | |
| RCS*SUP4-21 | Paul Monroe | RCS*SUP4-21 | N/A | PDCR M3-87-051 | N/A | Modification | Yes | |
| RCS*SUP4-34 | Paul Monroe | RCS*SUP4-34 | N/A | PDCR M3-87-051 | N/A | Modification | Yes | |
| PCS*SUP4-18 | Paul Monroe | RCS*SUP4-18 | N/A | PDCR M3-87-051 | N/A | Modification | Yes | |
| RCS*SUP4-8 | Paul Monroe | RCS*SUP4-8 | N/A | PDCR M3-87-051 | N/A | Modification | Yes | |
| RCS*SUP4-29 | Paul Monroe | RCS*SUP4-29 | N/A | PDCR M3+87+051 | N/A | Modification | | |
| RCS*SUP4+35 | Paul Monroe | RCS*SUP4-35 | N/A | | N/A | | Yes | |
| RCS*SUP4-47 | Paul Monroe | | | PDCR M3-87-051 | 142.77 | Modification | Yes | |
| SUP4+23 | The second secon | RCS*SUP4-47 | N/A | PDCR M3-87-051 PDCR M3-87-051 | N/A | Modification Modification | | |
| NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN | Paul Monroe | RCS*SUP4-47 RCS*SUP4-23 | N/A N/A | | | | Yes | |
| RCS*SUP4+9 | Paul Monroe | | | PDCR M3-87-051 | N/A | Modification | Yes Yes | |

Identification of Components Repaired or Replaced and Replacement Components (Cont'd)

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification (AWO No.) | Year Built | Repaired, Replaced, or Replacement | Stamped (Yes Or No) |
|----------------------|-------------------------|----------------------------|--------------------------|--------------------------------------|---------------|------------------------------------------|---------------------------|
| RCS*SUP4-33 | Paul Monroe | RCS*SUP4-33 | N/A | FOCR M3-87-051 | N/A | Modification | Yes |
| RCS*SUP4-15 | Paul Monroe | RCS*SUP4-15 | N/A | PDCR M3-87-051 | N/A | Modification | Yes |
| CS*SUP4-7 | Paul Monroe | RCS*SUP4-7 | N/A | PDCR M3-87-051 | N/A | Modification | Yes |
| RCS*SUP4-4 | Paul Monroe | RCS*SUP4-4 | N/A | PDCR M3-87-051 | N/A | Modification | Yes |
| | | OCR M3-87-051, " | Functional Pneumat | Test of the RCS L | | inubbers." | / |

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

| | FORM NIS-2 (Back) |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RemarksInstallation of in-pla | ce test equipment and functional test of snubbers was performed. |
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements m | ade in the report are correct and this Replacement conforms to the Repair or replacement |
| ules of the ASME Code, Section XI. | |
| igned Tuly Owner or Amper's Desig | Asit En Sept Date 4/20, 19 8 |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| ors and the State or Province of Con | ommission issued by the National Board of Boiler and Pressure Vessel Inspec- necticut and employed by HSB 1&1 |
| f Hartford | to have inspected the components described in this Owner's Report |
| nowledge and belief, the Owner has prepared in accordance with the require | erformed examinations and taken corrective measures described in this Owner' |
| | her the inspector nor his employer makes any warranty, expressed or implies, |
| | ctive measures described in the Owner's Report. Furthermore, heither the lable in any manner for any personal injury, property damage, or a loss of the this inspection. |
| RYZm | |
| Inspector's Signature | Commissions CT///9 National Board, State, Province, and Endorsements |
| | |
| ate 4.2.1 19 | 7.7 |

| . Owner Northea | st Utilities | 111 113350 | Date_ | 2/3/88 | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|------------------------------------|----------------------------------|
| | Nama | | | | | |
| P.O. Box 128. | Waterford, CT | | Sheet | 1 0 | f 3 | |
| | Address | | | | | |
| Plant Millstn | ne Nuclear Power Station | | Unit | 111 | | |
| | Name | | | | | |
| P.O. Box 128. | Waterford, CT | | See | Attached | | |
| | Address | | A | uthorized Wo | ork Order Number | |
| Work Performed | by C. N. Flagg & Co. | | | | | |
| | Name | | | | | |
| Meriden, CT | | | | | | |
| Heriden, Ci | Address | | | | | |
| Identification | | | | | | |
| Identification | of System See attached | 1 1150 | | | | |
| | Edition of Section XI C | Utilized for Repa | irs or Repl | acements 198 | | |
| (b) Applicable | Edition of Section XI (| Utilized for Repa | irs or Repl | acements 198 | | ASME Code |
| (b) Applicable | Edition of Section XI (| Utilized for Repa | irs or Repl | acements 198 | | Code |
| (b) Applicable Identification ame of Nam | e Edition of Section XI Conf Components Repaired of Manufacturer | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification ame of Nam | Edition of Section XI (| Utilized for Repair or Replaced and Re National Board O | irs or Repl | acements 198 Components | Repaired, | Code Stampe |
| (b) Applicable Identification | e Edition of Section XI Conf Components Repaired of Manufacturer | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Identification ame of Nam | of Components Repaired of Components Repaired of Manufacturer Serial No. | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Applicable Identification ame of Nam | of Components Repaired of Components Repaired of Manufacturer Serial No. | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification | of Components Repaired of Components Repaired of Manufacturer Serial No. | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification | of Components Repaired of Components Repaired of Manufacturer Serial No. | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification | of Components Repaired of Components Repaired of Manufacturer Serial No. | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification ame of Nam | of Components Repaired of Components Repaired of Manufacturer Serial No. | Utilized for Repair or Replaced and Re National Board O | irs or Repl eplacement | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification ame of Nam | of Components Repaired of Components Repaired of Manufacturer Serial No. | Otilized for Repair or Replaced and Re National Board O No. Ident | irs or Repl eplacement ther ification | acements 198 Components Year | Repaired, Replaced, | Code Stampe (Yes |
| (b) Applicable Identification ame of Name of Name of Manuf | of Components Repaired of Components Repaired of Manufacturer Serial No. See Attached Work Components elimin | National Board O No. Ident | irs or Repl eplacement ther ification | acements 198 Components Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) |
| (b) Applicable Identification Name of Nam Name of Nam Name of Nam Name of Name N | of Components Repaired of Components Repaired of Manufacturer Serial No. See Attached | National Board O No. Ident | irs or Repl eplacement ther ification | acements 198 Components Year Built | Repaired, Replaced, or Replacement | Code Stampe (Yes Or No) |

E: 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 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.

Attachment

PDCR MP3-87-052, "Snubber Reduction Using Zero Deflection Criteria."

The following components have been eliminated:

| Support | | | Support | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------|----------------------|-------------------------|
| Designation | AWO Number | Stress Cal. | Dwg. Number (25212-) | PLI Dwg. (25212-) |
| WATER CONTRACTOR OF THE PARTY O | NAME OF TAXABLE PARTY. | | | |
| CHS-2-PSSP-416- | M3-87-12484 | X7410 | 22720 Sh. 74C-85 | 20271 Sh. 82, 83, 84 |
| CHS+2-PSSP+417+ | M3-87-12484 | X7410 | 22720 Sh. 74C-85 | 20271 Sh. 82, 83, 84 |
| CHS-2-PSSH-218- | M3-87-12484 | X7410 | 22721 Sh. 740-104 | 20271 Sh. 82, 84 |
| CHS+2+PSSH+224+ | M3-87-12484 | X7410 | 22721 Sh. 740-105 | 20271 Sh. 75, 77, 80 |
| CHS-2-PSSH-225- | M3-87-12484 | X7410 | 22721 Sh. 74U-106 | 20271 Sh. 75, 77, 80 |
| CHS+2-PSSH+226+ | M3-87-12484 | X7410 | 22721 Sh. 74D-107 | 20271 Sh. 76, 79, 81 |
| CHS+2+PSSH+231+ | M3-87-12484 | X7410 | 22721 Sh. 740-109 | 20271 Sh. 84 |
| CHS+2+PSSP+430+ | M3-87-12525 | X7411 | 22720 Sh. 74C-94 | 20271 Sh. 116, 117, 118 |
| CHS-2-PSSP-431- | M3-87-12525 | X7411 | 22720 Sh. 74C-94 | 20271 Sh. 116, 117, 118 |
| CHS+2-PSSH-209- | M3-87-12525 | X7411 | 22721 Sh. 74D-101 | 20083 Sh. 2,4 |
| CHS+2-PSSH+263- | M3-87-12525 | X7411 | 22721 Sh. 740-114 | 20273 Sh. 27 |
| CHS - 2 - PSSH - 285 + | M3-87-12529 | X7417 | 22721 Sh. 74D-123 | 20269 Sh. 58 |
| CHS-2-PSSP-446- | M3-87-12534 | X7418 | 22721 Sh. 74D-95 | 20274 Sh. 236, 237, 238 |
| CHS - 2 - PSSP - 447 - | M3-87-12534 | X7418 | 22721 Sh. 74D-95 | 20274 Sh. 236, 237, 238 |
| CHS+2+PSSP+249+ | M3-87-12534 | X7418 | 22721 Sh. 740-113 | 20271 Sh. 112, 113, 114 |
| CH5+2+PSSH-288- | M3-87-12534 | X7418 | 22721 Sh. 74D-124 | 20271 Sh. 93, 94, 95 |
| 2-PSSP-463- | M3-87-12542 | X7401 | .2637 Sh. 748-177 | 20272 Sh. 154 |
| 2-PSSP-464- | M3-87-12542 | X7401 | 32637 Sh. 74B-178 | 20272 Sh. 154 |
| CHS-2-PSSP-465- | M3+87+12542 | X7401 | 7.7337 Sh. 748-179 | 20272 Sh. 154 |
| CHS-1-PSSH-520- | M3-87-12553 | X7426 | 22617 Sh. 74A-65 | 20080 Sh. 59, 60 |
| RCS-1-PSSP-942- | M3-87-12668 | X10734 | 22727 Sh. 107T-35 | 20115 Sh. 41, 43 |
| RCS-1-PSSP-944- | M3-87-12668 | X10734 | 22727 Sh. 1071-35 | 20115 Sh. 41, 43 |
| RCS+1-PSSP-950+ | M3+87+12268 | X10734 | 22727 Sh. 107T-45 | 20115 Sh. 41, 43 |
| RCS-1-PSSP-952- | M3-87-12668 | X10734 | 22727 Sh. 107T-45 | 20115 Sh. 41, 43 |
| RCS-1-PSSP-953- | M3-87-12668 | X10734 | 22727 Sh. 107T-45 | 20115 Sh. 41, 43 |
| RCS-1-PSSP-956- | M3+87+12668 | X10734 | 22727 Sh. 107T-49 | 20130 Sh. 5, 7 |
| RCS+1+PSSP+960+ | M3+87-12668 | X10734 | 22727 Sh. 107T-53 | 20153 Sh. 7, 8 |
| RCS-1-PSSP-961- | M3-87-12668 | X10734 | 22727 Sh. 107T-54 | 20153 Sh. 7, 8 |
| RCS+1+PSSP+1047+ | M3-87-12668 | X10734 | 22727 Sh. 1077-43 | 20115 Sh. 41, 43 |
| RCS+1+PSSH+434+ | M3-87-12668 | X10734 | 22725 Sh. 10819 115 | 20130 Sh. S. 7 |
| SFC+3+PSSP+080+ | M3-87-12709 | X7706 | 22853 Sh. 77C-7 | 20276 Sh. 22 |
| SFC-3-PSSP-150- | M3-87-12709 | X7707 | 22853 Sh. 77C-76 | 20277 Sh. 10 |
| SFC+3+PSSP+153+ | M3-87-12709 | X7707 | 22853 Sh. 77C-77 | 20277 Sh. 10 |
| SFC-3-PSSP-158- | M3-87-12709 | X7707 | 22853 Sh. 77C-84 | 20277 Sh. 9 |
| SFC-3-PSSP-161- | M3-87-12709 | X7707 | 22853 Sh. 77C-87 | 2027/ Sh. 9 |
| CHS-1-PSSP-633- | M3-87-12666 | X7427 | 22617 Sh. 74A-52 | 20080 Sh. 75 |
| CHS-1-PSSH-541- | M3-87-12666 | X7427 | 22626 Sh. 107D-78 | 20115 Sh. 53 |
| SIL-1-PSSP-982- | M3-87-12712 | X7431 | 22626 Sh. 107D-78 | 20155 Sh. 53 |
| SIL-1-PSSP-985- | M3+87-12719 | X10706 | 22626 Sh. 107D-78 | 20115 Sh. 48 |
| SIL*1*PSSP*986* | M3-87-12719 | X10706 | 22626 Sh. 107D-81 | 20115 Sh. 53 |
| SIL-4-PSSP-1053- | M3-87-12719 | X10706 | 22626 Sh. 107D-82 | 20115 Sh. 53 |
| 1-PSSH-440- | M3-87-12719 | X1J706 | 22626 Sh. 1070-78 | 20115 Sh. 48 |

| | FORM NIS-2 (Back) |
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| Panasta Nasa | |
| Remarks None | |
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| | |
| With the second | |
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| | |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements made i | n the report are correct and this Replacement conforms to the |
| | Repair or replacement |
| rules of the ASME Code, Section XI. | |
| no la | Azt En Syr Date 4/20, 19 88 |
| Signed | 1131 th 341 Date 7/10, 19 08 |
| owner of owner's besignee, | 11617 |
| | |
| | |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the understaned, holding a valid commis- | sion issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of Connecti | cut and employed by HRB ISI |
| of Hartford | have inspected the components described in this Owner's Report |
| during the period _ 2/16/88 | and employed by HRB ISI have inspected the components described in this Owner's Report to 4.6.18, and state that to the best of my |
| knowledge and belief, the owner has perfor | med examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements | of the ASME Code, Section XI. |
| Ou alsoles this sentificate solution | |
| by signing this certificate neither t | the Inspector nor his employer makes any warranty, expressed or implied, |
| | measures described in the Owner's Report. Furthermore, neither the |
| any kind arising from or connected with th | in any manner for any personal injury, property damage, or a loss of |
| | is inspection. |
| Roger | Commissions C. T. (2) |
| Inspector's Signature | Commissions C. F. 7.7.7.9. National Board, State, Province, and Endorsements |
| | |
| Date 4.21 19 85 | |
| | |
| | |

| . 0 | wner Northeast Utilities | Date 2/1/88 | | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------|-----------------------------------|
| | Name | | | |
| | P.O. Box 128, Waterford, CT | Sheet 1 | of _3 | |
| | Address | | | |
| . P | lant Millstone Nuclear Power Station | Unit III | | |
| | Name | | | |
| | | See attached shi | aat | |
| | P.O. Box 128, Waterford, CT Address | | ork Order Number | |
| | | | | |
| 5. W | ork Performed by C. N. Flagg & Co. | | | |
| | Name | | | |
| | Meriden, CT | | | |
| | Address | | | |
| k. 1 | dentification of System See attached list | | | |
| D | a) Applicable Construction Code ANSI B31.1 1973 b) Applicable Edition of Section XI Utilized for Repared on Replaced and Repaired or Replaced and Repaired and | irs or Replacements 19 | 83, 583 | |
| D | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National | irs or Replacements 19 | Repaired, | ASME Code Stamped |
| 6. I | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| Name | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O | irs or Replacements 19 | Repaired, | Code Stamped |
| 6. I | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| 6. I | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| 6. I | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| 6. I | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| 6. I | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| Name | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| Name | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | irs or Replacements 19 eplacement Components ther Year | Repaired, Replaced, | Code Stamped (Yes |
| Name Compon | b) Applicable Edition of Section XI Utilized for Repa dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board O ent Manufacturer Serial No. No. Ident | eplacement Components ther Year ification Built | Repaired, Replaced, | Code Stamped (Yes |
| Name Compon | b) Applicable Edition of Section XI Utilized for Repart dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board Of ent Manufacturer Serial No. No. Ident See Attached Description of Work Snubbers replaced by struts (PDCR) | eplacement Components ther Year ification Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name Compon | b) Applicable Edition of Section XI Utilized for Repart dentification of Components Repaired or Replaced and R National of Name of Manufacturer Board Of the Manufacturer Serial No. No. Ident See Attached | eplacement Components ther Year ification Built M3-87-052) /_/ Nominal Op | Repaired, Peplaced, or Replacement | Code Stamped (Yes Or No) |

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

MP-3-87-052 titled, "Snubber Reduction Using Zero Deflection Criteria."

The following snubbers have been replaced with strucs:

| The following | ng snubbers have bee | n replaced w | ith structs | | | | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|----------------------------------------|----------|----------------|----------------------------------|
| Support Designation | n AWO Number | Stress Cal No. | New Designation | Support Drawing N | lumber | PLI Drawi | ng Number |
| CSH-2-PSSP-4 | 18- M3-87-12484 | X7410 | 3CHS-2-PSST-418 | 25212-22720 Sh. 7 | 4C-86 | 25212-20271 | Sh. 75, 77, 80 |
| CHS-2-P5SP-4 | | | 3CHS-2-PSST-419 | 25212-22720 Sh. 7 | 4C-86 | 25212-20271 | Sh. 75, 77, 80 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-420 | - 25212-22720 Sh. 7 | 4C-87 | 25212-20271 | Sh. 30 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-421 | 25212-22720 Sh. 7 | 4C-88 | 25212-20271 | Sh. 82, 83, 84 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-422 | 25212+22720 Sh. 7 | 4C-88 | 15212-20271 | Sh. 83, 82, 84 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-423 | 25212-22720 Sh. 7 | 4C-89 | 23212-20271 | Sh. 84 |
| CHS-2-PSSP-4 | | | 3CHS+2+PSST-424 | 25212-22720 Sh. 7 | 4C-90 | 23.212-20271 | Sh. 76, 78, 81 |
| CHS-2-PSSP- | | | 3CHS-2-PSST-425 | 25212-22720 Sh. 7 | 4C-90 | 25212-20271 | Sh. 76, 78, 81 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-426 | 25212-22720 Sh. 7 | 4C-91 | 25212-20271 | Sh. 75, 78, 80 |
| CHS-2-PSSP- | | | 3CHS-2-PSST-427 | 25212-22720 Sh. 7 | 4C-91 | 25212-20271 | Sh. 75, 80, 78 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-428 | 25212-22720 Sh. 7 | 4C-92 | 25212-20271 | Sh. 242 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-429 | 25212-22720 Sh. 7 | 4C-93 | 25212-20275 | Sh. 242 |
| CHS-2-PSSP- | | | 3CHS-2-PSST-432 | 25212-22720 Sh. 7 | 4C-95 | 25212-20083 | Sh. 2, 4 |
| CHS-2-PSSP- | | | 3CHS-2-PSST-433 | 25212-22720 Sh. 7 | 40-95 | 25212-20083 | Sh. 2, 4 |
| CHS-2-PSSP- | | | 3CHE-2-PSST-434 | 25212-22720 Sh. 7 | | 25212-20083 | Sh. 2, 4 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-435 | 25212-22720 Sh. 7 | | 25212-20083 | Sh. 2, 4 |
| CHS-2-PSSP-4 | | | 3CHS-2-PSST-442 | 25212+22721 Sh. 7 | | 25212-20271 | Sh. 73 |
| CHS-2-PSSP-5 | | | 3CHS-2-PSST-518 | 25212-22721 Sh. 7 | | 25212-20271 | Sh. 73 |
| -2-PSSP- | | | 3CH5+2+PSST+443 | 25212-22721 Sh. 7 | | 25212-20269 | |
| 2-PSSP-4 | | | 3CHS-2-PSST-444 | 25212-22721 Sh. 7 | | 25212-20269 | Sh. Se |
| CHS-2-PSSP- | | | 3CHS-2-PSST-445 | 25212-22721 Sh. 7 | | 25212-20269 | |
| CHS-2-PSSP- | | | 3CHS-2-PSST-448 | 25212-22721 | | | Sh. 112, 113, 114 |
| SHOW-E-FORM | 110 | 21410 | \$200 \$ 1345 115 | Sh. 112, 113, 11 | 4 | ARRIVE SERVICE | |
| CHS - 2 - PSSP - | 449- M3-87-12534 | X7418 | 3CHS-2-PSST-449 | 25212-22721 | | 25212-20269 | Sh. 112, 113, 114 |
| 010-1-1001 | 113 27 12231 | | 2010 8 1 201 112 | Sh. 112, 113, 11 | 4 | | |
| CHS-2-PSSP- | 450- M3-87-12534 | X7418 | 3CHS+2-PSSP-450 | 25212-22721 Sh. 7 | | 25212-20271 | SH. 112, 113, 114 |
| CHS+2+PSSP+ | | | 3CHS-2-PSST-451 | 25212*22721 Sh. 7 | | | Sh. 112, 113, 114 |
| CHS+2+PSSP+ | | | 3CHS-2-PS\$T-452 | 25212-22721 Sh. 7 | | | Sh. 93, 94, 95 |
| CHS = 2 - PSSP = | | | 3CHS-2-PSST-453 | 25212-22721 Sh. 7 | | | Sh. 93, 94, 95 |
| CHS+2+PSSP+ | | | 3CHS-2-PSST-462 | 25212-22637 Sh. 7 | | 25212-20272 | |
| CHS+2-PSSP+ | | | 3CHS-2-PSST-528 | 25212-22637 Sh. 7 | | 25212-20272 | |
| CHS-1-PSSP- | | X7421 | 3CHS+1-PSST-604 | 25212-22617 Sh. 7 | | | |
| | | | 2CHS+1-P5ST+606 | 25212-22617 Sh. 7 | | 25212-20080 | |
| CHS-1-PSSP- | | | 3CHS+1-PSST-607 | 25212-22617 Sh. 7 | | 25212-20080 | |
| CHS-1-PSSP- | | | 3CHS-1-PSST-612 | 25212-22617 Sh. 7 | | 25212-20080 | |
| CHS+1+PSSP+ | | | 3CHS*1*PS\$T*651 | 25212-22617 Sh. 7 | | 25212-20080 | |
| CHS+1-PSSP+ | | | 3CHS-1-PSST-622 | 25212-22617 Sh. 7 | | 25212-20080 | |
| CHS+1-PSSP+ | | | 3CH5-1-PS57-624 | 25212-22617 Sh. 7 | | 25212-20080 | |
| CHS-1-PSSP- | | | RCS-1-PSST-954 | 25212-22727 Sh. 1 | | | |
| PCS-1-PSSP- | | | | | | | |
| RCS-1-PSSP- | | | RCS+1-PSST+955 | 25212-22727 Sh. 1 25212-22727 Sh. 1 | | | |
| RCS+1-PSSP- | | | RCS-1-PSST-957 | | | 25212-20130 | |
| RCS-1-PSSP- | The same of the sa | | RCS+1+PSST+958 | 25212-22727 Sh. 1 | | | |
| RCS-1-PSSP- | | | 3RCS-1-PSST-1521 | 25212-22730 Sh. 1 | | | |
| -1-PSSP- | | | 3CHS+1-PSST+623 | 25212~22617 Sh. 7 | | | Sh. 69, 70, 71 Sh. 69, 70, 71 |
| -1-PSSP- | | | 3CHS-1-PSS7-625 | 25212-22617 Sh. 7 | | | |
| CHS-1-PSSP- | | | 3CHS-1-PSST-627 | 25212-22617 Sh. 7 | | 25212-20080 | |
| RCs-1-PSSP- | | | RCS-1-PSST-714 | 25212-22729 Sh. 7 | | 25212-20082 | |
| RCS-1-PSSP- | | | RCS-1-PSST-505 | 25212-20729 Sh. 7 | | 25212-20082 | |
| 3SIL-1-PSSP | | | SIL+1-PSST-984 | 25212-22626 Sh. 1 | | | |
| 351L-1-PSSP | | | SIL-1-PSST-987 | 25212-22626 Sh. | | | |
| SIL-1-PSSP- | 1052- M3-87-12719 | x10706 | SIL-1-PSST-1052 | 25212-22626 Sh. 1 | 107D+140 | 25212*20:15 | on, 48 |

| Remarks None | |
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| | CERTIFICATE OF COMPLIANCE |
| We certify that the statements | s made in the report are correct and this Replacement conforms to the Repair or replacement |
| ules of the ASME Code, Section XI. | |
| signed Tuly | Ast Eng Sypu Date 4/20, 19 88 |
| Owner or Owner's Des | 1311 try 1900 |
| Owner or Owner's Des | signee, little |
| Owner or owner s ves | signee, little |
| Owner of Owner's Des | signee, little |
| Owner or Owner's Des | signee, little |
| Owner or Owner's Des | signee, little |
| Owner or Owner's Des | CERTIFICATE OF INSERVICE INSPECTION |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a valid | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| the undersigned, holding a valid | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| the undersigned, holding a valid | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| t, the undersigned, holding a valid tors and the State or Province of S of Hartford during the period 2/16/88 | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4 2/-35, and state that to the best of my |
| r, the undersigned, holding a valid tors and the State or Province of S of Hartford during the period 2/16/88 knowledge and belief, the Owner has | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| t, the undersigned, holding a valid tors and the State or Province of S of Hartford during the period 2/16/88 knowledge and belief, the Owner has | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4 2 - 3 , and state that to the best of my s performed examinations and taken corrective measures described in this Owner's |
| the undersigned, holding a valid tors and the State or Province of of Hartford during the period2/16/88 knowledge and belief, the Owner has Report in accordance with the requi | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 2/-/> , and state that to the best of my sperformed examinations and taken corrective measures described in this Owner' irements of the ASME Code, Section XI. either the Inspector nor his employer makes any warranty, expressed or implied, |
| the undersigned, holding a valid tors and the State or Province of State of Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirement of the state of the concerning the examinations and concerning th | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to , and state that to the best of my sperformed examinations and taken corrective measures described in this Owner' irements of the ASME Code, Section XI. either the Inspector nor his employer makes any warranty, expressed or implied, prective measures described in the Owner's Report. Furthermore, neither the |
| the undersigned, holding a valid tors and the State or Province of State of Province of State of Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirement of the state of | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 2/-2/->, and state that to the best of my sperformed examinations and taken corrective measures described in this Owner' irements of the ASME Code, Section XI. either the Inspector nor his employer makes any warranty, expressed or implied, |
| the undersigned, holding a valid tors and the State or Province of State of Province of State of Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirement of the state of | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4 21-35, and state that to the best of my sperformed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. either the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the eliable in any manner for any personal injury, property damage, or a loss of |
| the undersigned, holding a valid tors and the State or Province of 9 of Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and collapsector nor his employer shall be any kind arising from or connected | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to 2:-3 , and state that to the best of my s performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. either the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| the undersigned, holding a valid tors and the State or Province of got Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and collinspector nor his employer shall be any kind arising from or connected | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to 2:-3 , and state that to the best of my s performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. either the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| the undersigned, holding a valid tors and the State or Province of got Hartford during the period 2/16/88 knowledge and belief, the Owner has Report in accordance with the requirement of the examinations and collinspector nor his employer shall be any kind arising from or connected | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to |

| . Owner | Northeast Utilit | ies Service Co. | | Date | 3/7/88 | | |
|--------------------------------------------------------------|----------------------------------|-----------------------------------------------------|----------------------------------------|------------------------------------------|-----------------------------|-------------------------------------------------------|------------------------------------------|
| | Name | | | | | | |
| P.O. 8 | ox 128, Waterfor | d, CT 06385 | | Sheet | 1 (| of 2 | |
| | Addr | | | | | | |
| Plant | Millstone Nuclea | r Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| P.O. F | lox 128, Waterfor | d. CT 06385 | | MP-8 | 37-06753 | | |
| | Addr | | | CONTRACTOR SAFETY | | ork Order Number | |
| . Work Per | formed by Mill | stone Station | | | | | |
| MOTE FEE | formed by Mill Name | | | | | | |
| | | | | | | | |
| P.O. 8 | Nox 128, Waterfor Addr | | | | | | |
| | | | | | | | |
| Identifi | cation of System | RCS | | | | | |
| | olicable Edition | | | r Repairs or Repl | | 83, 883 | |
| (b) App | olicable Edition | | | | | 83, 583 | ASME Code |
| (b) App | olicable Edition | | or Replaced | | Components | Repaired, | |
| (b) App Identifi | Name of | ments Repaired (| or Replaced National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) App Identifi | olicable Edition | ents Repaired (| or Replaced | and Replacement | Components | Repaired, | Code Stamped |
| (b) App Identifi | Name of | ments Repaired (| or Replaced National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Application of the component RCS* | Name of | Manufacturer Serial No. | or Replaced National Board | and Replacement | Components | Repaired, Replaced, | Code Stamped (Yes |
| Name of Component RCS* | Name of Manufacturer | Manufacturer Serial No. PD14310 | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component RCS* | Name of Manufacturer | Manufacturer Serial No. PD14310 | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of omponent RCS* | Name of Manufacturer | Manufacturer Serial No. PD14310 | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component RCS* | Name of Manufacturer | Manufacturer Serial No. PD14310 | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component IRCS* SUP 4-9 **Paul Monroe | Name of Manufacturer | Manufacturer Serial No. PD14310 | National Board No. | Other Identification PD 14310 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of Component RCS* SUP 4-9 T*Paul Monroe 7. Descript | Name of Manufacturer ** ** ** | Manufacturer Serial No. PD14310 1+8 150 | National Board No. N/A N/A | Other Identification PD 14310 PD 14310 | Year Built N/A N/A | Repaired, Replaced, or Replacement Removed Replaced | Code Stamped (Yes Or No) Yes |
| Name of Component RCS* SUP 4-9 **Paul Monroe 7. Descript | Name of Manufacturer ** ** ** | Manufacturer Serial No. PD14310 1+8 150 | National Board No. N/A N/A | Other Identification PD 14310 PD 14310 | Year Built N/A N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |

The E: 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 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.

| 100 100 100 100 100 | | | | |
|---------------------|-------|---|--|--------|
| EVO 20M | 30.1 | S | | m 24 1 |
| FORM | 126.1 | | | U.S. |
| | | | | |

| Remarks Replacement required due to threads galle | d during ITIP hardware installation |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| | |
| | |
| | |
| | |
| CERTIFICA | TE OF COMPLIANCE |
| | re correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. | |
| Owner(or Liber's Designee, Title | S-12 Date 4/20, 19 88 |
| | THREESVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspec- |
| of Hartford have | inspected the components described in this Owner's Report and state that to the best of my |
| knowledge and belief, the Owner has performed examination Report in accordance with the requirements of the ASME C | ns and taken corrective measures described in this Owner': |
| concerning the examinations and corrective measures desc | for any personal injury, property damage, or a loss of |
| A Commissions | 17/19 |
| Inspector's Signature | National Board, State, Province, and Endorsements |
| Date 4.3 19 18 | |
| | |

| Owner | Northeast Utilit | lat | | Date | 12/12/87 | | |
|--------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------|------------------------------------------|
| . Owner _ | Northeast Utilit | | | | | | |
| | | | | | | | |
| P.O. | Box 128, Waterfor | | | Sheet | 1 01 | 2 | |
| | Addr | ess | | | | | |
| . Plant | Millstone Nuclea | r Power Station | n | Unit | 111 | | - |
| - | Name | | | | | | |
| | N | 4 04 | | M3 + R | 7-13798 | | |
| P.U. | Box 128, Waterfor Addr | | | ASSESSMENT SERVICE SER | | ork Order Number | |
| | | | | | | | |
| . Work Pe | rformed by C. N | | | | | | |
| | Name | | | | | | |
| Merid | ien, CT | | | | | | |
| | Addr | ess | | | | | |
| | | 1 1 | | | | | |
| . Identif | ication of System | Reactor Coo | lant Syste | m , | | | |
| (b) Ap | | of Section XI | Utilized f | or Repairs or Repl | acements 19 | 83, 583 | |
| (b) Ap | plicable Edition | of Section XI | Utilized f | or Repairs or Repl d and Replacement | acements 19 | 83, 583 | ASME |
| (b) Ap | plicable Edition | of Section XI | Utilized f | or Repairs or Replacement | acements 19 | 83, 583 | Code |
| (b) Ap | oplicable Edition | of Section XI | Utilized f or Replace | or Repairs or Replacement | acements 19 | Repaired, | Code Stamped |
| (b) Ap | plicable Edition fication of Compon | of Section XI | Utilized for Replace National Board | or Repairs or Replacement | Components Year | Repaired, Replaced, | Code |
| (b) Ap | oplicable Edition | of Section XI | Utilized f or Replace | or Repairs or Replacement | acements 19 | Repaired, | Code Stamped (Yes |
| (b) Ap | plicable Edition fication of Compon | of Section XI | Utilized for Replace National Board | or Repairs or Replacement | Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap . Identif Name of component | Name of Manufacturer | Manufacturer Serial No. 3-RCS- | Utilized for Replace National Board No. | or Repairs or Replacement | Components Year | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap . Identif Name of component | plicable Edition fication of Compon | Manufacturer Serial No. | Utilized for Replace National Board | Other | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap I dentif Name of Component R-RCS-1 | Name of Manufacturer | Manufacturer Serial No. 3-RCS- | Utilized for Replace National Board No. | Other | Components Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap . Identif Name of component -RCS-1 PSSP-046 | Name of Manufacturer S&W | Manufacturer Serial No. 3-RCS- PSSP-046 PSR-168 | National Board No. | Other Identification N/A | Year Built | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes |
| (b) Ap Identif Name of Component PSSP-046 | Name of Manufacturer | Manufacturer Serial No. 3-RCS- PSSP-046 | Utilized for Replace National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) Yes |
| (b) Ap . Identif Name of component 8-RCS-1 PSSP-046 | Name of Manufacturer S&W | Manufacturer Serial No. 3-RCS- PSSP-046 PSR-168 | National Board No. | Other Identification N/A | Year Built | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of Component PSSP-046 PSR-168 | Name of Manufacturer S&W S&W S&W | Manufacturer Serial No. 3-RCS- PSSP-046 PSR-168 PSST-028 | Utilized for Replace National Board No. N/A N/A | Other Identification N/A N/A | Year Built | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of Component PSSP-046 PSR-168 PSST-028 | Name of Manufacturer S&W | Manufacturer Serial No. 3-RCS- PSSP-046 PSR-168 PSST-028 | Utilized for Replace National Board No. N/A N/A | Other Identification N/A N/A | Year Built | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of Component S-RCS-1 PSSP-046 PSST-028 | Name of Manufacturer S&W S&W S&W | Manufacturer Serial No. 3-RCS- PSSP-046 PSR-168 PSST-028 | Utilized for Replace National Board No. N/A N/A N/A | Other Identification N/A N/A N/A | Year Built 1987 1987 | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes |
| Name of Component 3-RCS-1 PSSP-046 PSR-168 PSST-028 | Name of Manufacturer S&W S&W S&W Conducted: Hydr | Manufacturer Serial No. 3-RCS- PSSP-046 PSR-168 PSST-028 | National Board No. N/A N/A Pheum | Other Identification N/A N/A N/A supports. | Year Built 1987 1987 1987 | Repaired, Replaced, or Replacement Replacement Replacement | Code Stamped (Yes Or No) Yes Yes Yes |

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

FORM NIS-2 (Back)

| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement rules of the ASME Code, Section XI. Signed Owner or Owner-Le Designee, Title CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of The Tribad have inspected the components described in this Owner's Report suring the period 3 1/35 to Artific and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report is 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 the Owner's Report. Furthermore, neither the inspector nor his employer shall be Idable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Repair or replacement conforms to the Report Date of School Schoo | We certify that the statements made in the report are correct and this Replacement conforms to to Repair or replacement rules of the ASME Code, Section XI. |
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| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Date 1/20 , 19 CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of To and employed by AFA FOR TOWN the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Town the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Town the inspected the components described in this Owner's Report uring the period Town the Province of Town the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied oncerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of ny kind arising from or connected with this inspection. Repair or replacement conformations to the ASME Code, Section 1. | We certify that the statements made in the report are correct and this Replacement conforms to t Repair or replacement ules of the ASME Code, Section XI. |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Date 1/20 , 19 CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of To and employed by AFA FOR TOWN the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Town the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Town the inspected the components described in this Owner's Report uring the period Town the Province of Town the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied oncerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of ny kind arising from or connected with this inspection. Repair or replacement conformations to the ASME Code, Section 1. | We certify that the statements made in the report are correct and this Replacement conforms to t Repair or replacement ules of the ASME Code, Section XI. |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement Repair or replacement Date 1/20 , 19 CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of To and employed by AFA FOR TOWN the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Town the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Town the inspected the components described in this Owner's Report uring the period Town the Province of Town the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied oncerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of ny kind arising from or connected with this inspection. Repair or replacement conformations to the ASME Code, Section 1. | We certify that the statements made in the report are correct and this Replacement conforms to t Repair or replacement ules of the ASME Code, Section XI. |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement CERTIFICATE OF INSERVICE INSPECTIO. The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of And Fare and have inspected the components described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report in spector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Repair or replacement conforms to the Repair or replacement conforms to the ASME Code, Section 1. | We certify that the statements made in the report are correct and this Replacement conforms to to Repair or replacement rules of the ASME Code, Section XI. |
| We certify that the statements made in the report are correct and this Replacement Repair or replacement CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Apares have inspected the components described in this Owner's Report unwing the period The Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Repair or replacement Date 1/20 | We certify that the statements made in the report are correct and this Replacement conforms to to Repair or replacement rules of the ASME Code, Section XI. |
| Repair or replacement Repair or replacement Repair or replacement Date 7/20 , 19 # CERTIFICATE OF INSERVICE INSPECTIO. CERTIFICATE OF INSERVICE INSPECTIO. Certificate of Inservice Inspectors and the State or Province of 27 and employed by 1/2 70 f Thentesad have inspected the components described in this Owner's Report to 1/2 1/3 f Inspector 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 toncerning the examinations and corrective measures described in the concerning the examinations and corrective measures described in the concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied toncerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions Crill National Board, State, Province, and Endorsements | rules of the ASME Code, Section XI. |
| Repair or replacement Repair or replacement Repair or replacement Date 7/20 , 19 CERTIFICATE OF INSERVICE INSPECTIO CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of 7 and employed by 1/2 707 And the period 3/1/39 to 1/2/39 and state that to the best of my strongled and belief, the Owner has performed examinations and taken corrective measures described in this Owner 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 the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Repair or replacement Date 7/20 , 19 Province of the ASME Code in Section S | Repair or replacement |
| CERTIFICATE OF INSERVICE INSPECTIO CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of C7 and employed by ASS TOTAL The inspect of the components described in this Owner's Report for the period 3:1/-35 to ASS ASS ASS ASS ASS ASS ASS ASS ASS AS | rules of the ASME Code, Section XI. |
| CERTIFICATE OF INSERVICE INSPECTIO. The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CT and employed by ASA TOTAL THEOTOPIA have inspected the components described in this Owner's Report during the period SILLSY to ASA 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 the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. ROZAN Commissions CTILA Inspector's Signature Commissions CTILA National Board, State, Province, and Endorsements | Owner or Owner's Designee, Title Date 1/20, 19 f |
| CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of C7 and employed by ASA TOTAL THEOTICISM THEOTICISM Theory Assay have inspected the components described in this Owner's Report of the period State of the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. ROZAM Commissions CTILIA Inspector's Signature Commissions National Board, State, Province, and Endorsements | Owner or Owner's Designee, Title Date 7/20 , 19 4 |
| CERTIFICATE OF INSERVICE INSPECTIO The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of C7 and employed by ASA TOTAL THEOTICISM THEOTICISM Theory Assay have inspected the components described in this Owner's Report of the period State of the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. ROZAM Commissions CTILIA Inspector's Signature Commissions National Board, State, Province, and Endorsements | Owner or Omnaer's Designee, Title |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tand employed by ASTATE IMPATIONAL have inspected the components described in this Owner's Report of the period Tander 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 the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Report Commissions Tander National Board, State, Province, and Endorsements | |
| By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions Commissions Commissions National Board, State, Province, and Endorsements | the undersigned, holding a valid commission issued by the National Roard of Roiler and Pressure Vessel Inspe |
| By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions Commissions Original Board, State, Province, and Endorsements | have inspected the components described in this Owner's Repo |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions Commissions Commissions National Board, State, Province, and Endorsements | nowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Ryzma Commissions Criff Inspector's Signature National Board, State, Province, and Endorsements | Report in accordance with the requirements of the ASME Code, Section XI. |
| Inspector's Signature Commissions Commissions National Board, State, Province, and Endorsements | |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection. Commissions Commissions | By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implie |
| Inspector's Signature Commissions CTIII National Board, State, Province, and Endorsements | noncerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the |
| Ryzma Commissions CT1119 Inspector's Signature National Board, State, Province, and Endorsements | any kind arising from or connected with this inspection. |
| Inspector's Signature National Board, State, Province, and Endorsements | |
| | - Section of the sect |
| 0 3 | Inspector's Signature National Board, State, Province, and Endorsements |
| are was a superior | Date 4 3 / 19 8 8 |
| | |

| Owner | Northeast Utilit | ies Service Co. | | Date | 2///00 | | |
|-------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------|----------------------|------------------------------------------|-----------------------------------|
| | Name | | | | | | |
| P.O. | Box 128, Waterfor | d. CT 06385 | | Sheet | 1 (| of 2 | |
| | Addr | | | | | | |
| 01 | W/llabasa Nuslas | a Downe Station | | Unit | 111 | | |
| Plant | Millstone Nuclea Name | | | | - | | |
| | | | | | | | |
| P.O. | Box 128, Waterfor | | | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 WHEN | thorized Wo | ork Order Number | |
| | 7001 | | | | | | |
| Work F | erformed by Mill | | | | | | |
| | Name | | | | | | |
| P.0. | Box 128, Waterfor | d, CT | | | | | |
| | Addr | ess | | | | | |
| Identi | fication of System | Main Steam | | | | | |
| (b) A | Applicable Edition | | Itilized fo | r Repairs or Repla | | 83, \$83 | |
| (b) A | Applicable Edition | of Section XI L | Itilized fo | r Repairs or Repla | | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) A Identif | Applicable Edition | of Section XI U | tilized fo or Replaced National | r Repairs or Repla | Components | · Repaired, | Code Stamped |
| (b) A Identifier of apponent | Applicable Edition ification of Compor Name of | of Section XI L | r Replaced National Board | r Repairs or Repla I and Replacement C | Components | Repaired, | Code Stamped (Yes |
| (b) A Identified of sponent | Applicable Edition ification of Compor Name of Manufacturer | of Section XI Unents Repaired of Manufacturer Serial No. | National Board No. | Other Identification Drawing | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A | Applicable Edition ification of Compor Name of | of Section XI L | r Replaced National Board | Repairs or Repla and Replacement C Other Identification | Components | Repaired, | Code Stamped (Yes |
| (b) A Identi me of ponent S-4 | Applicable Edition ification of Compor Name of Manufacturer | of Section XI Unents Repaired of Manufacturer Serial No. | National Board No. | Other Identification Drawing | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A Identifier of apponent | Applicable Edition ification of Compor Name of Manufacturer | of Section XI Unents Repaired of Manufacturer Serial No. | National Board No. | Other Identification Drawing | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) A Identifieme of imponent | Applicable Edition ification of Compor Name of Manufacturer Grinnell | of Section XI L ments Repaired of Manufacturer Serial No. | National Board No. | Other Identification Drawing | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identifier of apponent | Applicable Edition Ification of Compor Name of Manufacturer Grinnell | of Section XI Unents Repaired of Manufacturer Serial No. | National Board No. | Other Identification Drawing AH-1474-2 | Year Built N/A | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |

number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| Remarks _ Inspections performed - visual and liquid penetrant. |
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| CERTIFICATE OF COMPLIANCE |
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| We certify that the statements made in the report are correct and this Replacement conforms to the |
| Repair or replacement rules of the ASME Code, Section XI. |
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| Signed Tuly Ast Erg Supr Date 4/20, 19 88 Owner of Owner's Designee, Title |
| Owner or Owner's Designee, Title |
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| |
| CERTIFICATE OF INSERVICE INSPECTION |
| r, the undersigned, holding a valid commission issue by the National Board of Boiler and Pressure Yessel Inspec- |
| tors and the State or Province of Connecticut and employed by HSB [&] |
| of Hartford Inspected the components described in this Owner's Report |
| during the period 3/11/88 to 42/35, and state that to the best of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner' Report in accordance with the requirements of the ASME Code, Section XI. |
| The state of the state of the North Cook, 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| Ry 2 man Commissions CT1119 |
| Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date |
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| P.O. Box | Name | | | | | | |
|--------------------|-----------------------------------------------------|-----------------|---------------------------------------------------------|-------------------------------------------------|--------------------------------------------|------------------------------------------|-------------------------------------------|
| P.O. Box | | | | | | | |
| F.17. BO | x 128, Waterfor | d. CT | | Sheet | 1 0 | of 2 | |
| | Addr | | | | | | |
| | | | | | | | |
| Plant M | illstone Nuclea | r Power Station | | Unit | 111 | | |
| | Name | | | | | | |
| | | | | | | | |
| P.O. Bo | x 28, Waterford | | | AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 | -02178 | ali Ondra Numbas | |
| | Addr | ess | | Au | thorized wo | ork Order Number | |
| | | F1 1 Co | | | | | |
| Work Perf | ormed by <u>C. N</u> | | | - | | | |
| | name | | | | | | |
| Meriden | . CT | | | | | | |
| | | ess | | | | | |
| | | | | | | | |
| Identific | ation of System | n MSS | | | | | |
| (b) Appl | icable Edition | of Section XII | Utilized fo | 1973 Edition, or Repairs or Repla | cements 198 | | _ Code Cas |
| (b) Appl | icable Edition ation of Compor | of Section XII | Utilized fo | | cements 198 | Repaired, | ASME Code |
| (b) Appl Identific | icable Edition ation of Compor | of Section XI (| Jtilized for Replaced | r Repairs or Repla | cements 198 | 33, \$83 | Code Stamped |
| (b) Appl Identific | icable Edition ation of Compor | of Section XI I | Utilized for or Replaced National Board | r Repairs or Repla d and Replacement C | components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Appl Identific | icable Edition ation of Compor | of Section XI I | Utilized for or Replaced National Board | Other | components Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Appl | icable Edition ation of Compor Name of Manufacturer | of Section XI I | Jtilized for or Replaced National Board No. | Other Identification | cements 198 components Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |

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

| | FORM NIS-2 (Back) |
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| Remarks E&DCR N-CS-03805, PDCR #MP3-87-012 | |
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| CEF | RTIFICATE OF COMPLIANCE |
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| We certify that the statements made in the re | eport are correct and this <u>Replacement</u> conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. | Report of repracement |
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| signed they Ast | En supu Date 4/20 , 19 84 |
| Owner on Owner's Designee, Title | |
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| CERTIFIC | CATE OF INSERVICE INSPECTION |
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| | sued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of Connecticut | and employed by HSB [&] |
| of Hartford during the period 2/23/88 to | have inspected the components described in this Owner's Report $4-3+3$, and state that to the best of my |
| knowledge and helief, the Owner has performed example. | minations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the | |
| | |
| By signing this certificate neither the Inspe | ector nor his employer makes any warranty, expressed or implied, |
| concerning the examinations and corrective measure | es described in the Owner's Report. Furthermore, neither the |
| | manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspe | ection. |
| Ry 2 mm com | issions |
| Inspector's Signature | National Board, State, Province, and Endorsements |
| | |
| Date | |
| | |

| Owner | Northeast Utilities Service | Co. | Date | 9/12/87 | | |
|------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------|----------------------|------------------------------------------------------------|-------------------------------------------|
| | Name | | | | | |
| P.O. | Box 128, Waterford, CT 06385 | | Sheet | 1 (| of 2 | |
| | Address | | | | | |
| | | | | | | |
| Plant | Millstone Nuclear Power Stat | tion | Unit | 111 | | |
| | Name | | | | | |
| P.0. | Box 128, Waterford, CT 06385 | | MP-87 | -01580 | | |
| | Address | | Au | thorized Wo | ork Order Number | |
| Work F | Performed by Millstone Static | | | | | |
| MOTE | Name | 011 | | | | |
| | | | | | | |
| P.0. | Box 128, Waterford, CT | | | | | |
| | Address | | | | | |
| Ident | fication of System SIL (Rep | lace pipe clam | no bolt) | | | |
| | Applicable Construction Code _ Applicable Edition of Section : | | t removement | cements 198 | | |
| (b) / | _ | XI Utilized fo ed or Replaced National er Board | r Repairs or Repla | | | ASME Code Stamped (Yes Or No) |
| (b) / Ident | Applicable Edition of Section : fication of Components Repair Name of Manufacture | XI Utilized fo ed or Replaced National er Board | or Repairs or Repla d and Replacement C | omponents | Repaired, Replaced, | Code Stamped (Yes |
| (b) // Ident | Name of Manufacture Manufacturer Serial No | XI Utilized for Replaced National er Board No. | Or Repairs or Repla d and Replacement C Other Identification | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) / Ident | Name of Manufacture Manufacturer Serial No | XI Utilized for Replaced National er Board No. | Other Identification C2-34 | Year Built | Repaired, Replaced, or Replacement Replaced | Code Stamped (Yes Or No) |
| Ident | Name of Manufacture Manufacturer Serial No | XI Utilized for Replaced National er Board No. | Other Identification C2-34 | Year Built | Repaired, Replaced, or Replacement Replaced | Code Stamped (Yes Or No) |
| (b) // Ident: Name of omponent L-1-PSSP- | Name of Manufacture Manufacturer Serial No Scientific Iption of Work Snubber Repla | XI Utilized for Replaced National er Board No. N/A | Other Identification C2-34 CH-1082-2 | Year Built N/A | Repaired, Replaced, or Replacement Replaced Pipe Clamp Bol | Code Stamped (Yes Or No) |
| (b) // Ident: Name of omponent L-1-PSSP- | Name of Manufacture Manufacturer Serial No Scientific | XI Utilized for Replaced National er Board No. N/A | Other Identification C2-34 CH-1082-2 | Year Built N/A | Repaired, Replaced, or Replacement Replaced Pipe Clamp Bol | Code Stamped (Yes Or No) |

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

| | FORM NIS-2 (Back) |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Remarks None | |
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| | CERTIFICATE OF COMPLIANCE |
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| We certify that the statements | made in the report are correct and this Replacement conforms to the |
| rules of the ASME Code, Section XI. | Repair or replacement |
| _ 0 | Azit En Syv Date 4/10, 19 St |
| Signed Tuy | Asit En Syl Date 1/20, 19 of |
| Owner of Owner's Desi | gnee, Title |
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| | CERTIFICATE OF INSERVICE INSPECTION |
| | |
| the undersigned, holding a valid | commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of Co | onnecticut and employed by HSB 1&1 |
| during the period 2/16/88 | have inspected the components described in this Owner's Report to 4.4.45 , and state that to the best of my |
| knowledge and belief, the Owner has | performed examinations and taken corrective measures described in this Owner': |
| | rements of the ASME Code, Section XI. |
| | |
| By signing this certificate nei | ither the Inspector nor his employer makes any warranty, expressed or implied, |
| concerning the examinations and corr | rective measures described in the Owner's Report. Furthermore, neither the |
| | liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected w | with this inspection. |
| 0 4 2 mm | Commissions CT1/19 |
| Inspector's Signature | Commissions C7//9 National Board, State, Province, and Endorsements |
| | |
| Date | YY |
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| Owner Northeast Utilitie | es Service Co. | | Date _ | 3/23/88 | | |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------|---------------------------|-----------------------|------------------------------------------------------------|-----------------------------------|
| Name | | | | | | |
| P.O. Box 128, Waterford, | CT 06385 | | Sheet | angle has the | of 2 | |
| Addres | | | | | | |
| Plant Millstone Nuclear | Power Station | | Unit _ | 111 | | |
| Name | | | | | | |
| P.O. Box 128, Waterford, | . CT 06385 | | M3-8 | 7-17731 | | |
| Addres | | | A | uthorized W | ork Order Number | |
| Work Performed by Millst | tone Station | | | | | |
| Name | | | | | | |
| P.O. Box 128, Waterford, | , cT | | | | | |
| Addres | | | | | | |
| Identification of System | Service Water | r System | | | | |
| Identification of System | Jervice Mater | 0,000 | | | | |
| (a) Applicable Constructi | | | | | | _ Code Case |
| | f Section XI Ut | tilized fo | r Repairs or Repl | acements 19 | 83, \$83 | |
| (b) Applicable Edition of | | | | | | |
| | | | | Components | | |
| | | | | Components | | |
| | | | | Components | | ASME Code |
| | | | | Components | Repaired, | ASME Code Stamped |
| Identification of Componer | | r Replaced | | Components | Repaired, Replaced, | Code |
| Identification of Componer | nts Repaired on | r Replaced | and Replacement | | | Code Stamped |
| Identification of Componer ame of Name of Manufacturer | nts Repaired on | Replaced National | and Replacement | Year | Replaced, | Code Stamped (Yes |
| Identification of Componer ame of Name of Manufacturer | nts Repaired on | Replaced National | and Replacement | Year | Replaced, | Code Stamped (Yes |
| Identification of Componer ame of Name of Manufacturer WP-7- | nts Repaired on | Replaced National | and Replacement | Year | Replaced, | Code Stamped (Yes |
| Identification of Componer ame of Name of Manufacturer WP-7- | nts Repaired on Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Componer ame of Name of Manufacturer WP-7- | nts Repaired on Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Componer ame of Name of Manufacturer WP-7- | nts Repaired on Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Identification of Componer ame of Name of Manufacturer WP-7- | nts Repaired on Manufacturer Serial No. | National Board No. | Other | Year Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| ame of Name of Manufacturer WP-7- A-033 S&W | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Identification of Component ame of Name of Manufacturer WP-7- A-033 S&W CE 3-87-101 | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| ame of Name of Manufacturer WP-7- A-033 S&W | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Identification of Component ame of Name of Manufacturer WP-7- A-033 S&W CE 3-87-101 Description of Work Wellstrainer. | Manufacturer Serial No. | National Board No. | Other Identification N/A | Year Built 1984 | Replaced, or Replacement Replacement tate repair of serv | Code Stamped (Yes Or No) Yes |
| ame of Name of Manufacturer WP-7- A-033 S&W CE 3-87-101 Description of Work Well | Manufacturer Serial No. | National Board No. | Other Identification N/A | Year Built 1984 | Replaced, or Replacement Replacement tate repair of serv | Code Stamped (Yes Or No) Yes |

number of sheets is recorded at the top of this form.

| FORM NIS-2 (Back) |
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| |
| Remarks None |
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| |
| CENTURICATE OF COMPULANCE |
| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to the Repair or replacement |
| rules of the ASME Code, Section XI. |
| Signed My Date 4/20, 19 88 |
| Owner's Designee, Title |
| |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| |
| t, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec |
| tors and the State or Province of Cr and employed by ASR TOT |
| tors and the State or Province of Cr and employed by ARR TOT of have inspected the components described in this Owner's Report during the period 3-0.76 to 4-2-71, and state that to the best of the state of the sta |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner |
| 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 the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with this inspection. |
| AA 2 ALL Complesions CTV/19 |
| Inspector's Signature Commissions CT/19 National Board, State, Province, and Endorsements |
| |
| Date 421 19 88 |
| |

| P.O. Box 128, Waterford, CT Sheet 1 | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|
| | | |
| | of 2 | |
| | | |
| Plant Millstone Nuclear Power Station Unit III | | |
| . Plant Millstone Nuclear Power Station Unit III Name | | |
| | | |
| P.O. Box 126, Waterford, CT M3-87-14709 | | |
| Address Authorized | Work Order Number | |
| . Work Performed by C. N. Flagg & Co. | | |
| Name | | |
| | | |
| Meriden, CT | | |
| Address | | |
| . Identification of System _ Diesel Fuel Dil | | |
| | | |
| . (a) Applicable Construction Code ASME III 1971 Edition, 573 | Addenda, N/A | Code Case |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1 | 983, 583 | |
| | | |
| 6. Identification of Components Repaired or Replaced and Replacement Components | | |
| | | ASME |
| | | Code |
| National National | Repaired, | |
| | Replaced, | Stamped |
| | | (Yes |
| | or Replacement | |
| Component Manufacturer Serial No. No. Identification Built | or Replacement | (Yes |
| Component Manufacturer Serial No. No. Identification Built | or Replacement | (Yes |
| Component Manufacturer Serial No. No. Identification Built CP-360530- | Replacement Replacement | (Yes |
| Component Manufacturer Serial No. No. Identification Built CP-360530- | | (Yes Or No) |
| Component Manufacturer Serial No. No. Identification Built EP-360530- MO10 S&W N/A N/A N/A N/A 1987 MO11 S&W N/A N/A N/A N/A 1987 | Replacement | (Yes Or No) Yes |
| Component Manufacturer Serial No. No. Identification Built CP-360530- HO10 S&W N/A N/A N/A 1987 HO11 S&W N/A N/A N/A 1987 HO12 S&W N/A N/A N/A 1987 | Replacement | (Yes Or No) Yes |
| Component Manufacturer Serial No. No. Identification Built CP-360530- HO10 S&W N/A N/A N/A N/A 1987 HO11 S&W N/A N/A N/A N/A 1987 | Replacement | (Yes Or No) Yes |
| Component Manufacturer Serial No. No. Identification Built CP-360530- MO10 S&W N/A N/A N/A 1987 MO11 S&W N/A N/A N/A 1987 MO12 S&W N/A N/A N/A 1987 Month of Work N/A N/A N/A 1987 | Replacement Replacement Replacement | Yes Yes Yes |
| Component Manufacturer Serial No. No. Identification Built CP-360530- HO10 S&W N/A N/A N/A 1987 HO11 S&W N/A N/A N/A 1987 HO12 S&W N/A N/A N/A 1987 | Replacement Replacement Replacement | Yes Yes Yes |

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

| | FORM NIS-2 (Back) |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| | |
| Remarks None | |
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| | CERTIFICATE OF COMPLIANCE |
| | CERTIFICATE OF CONFETANCE |
| We certify that the statements made | in the report are correct and this Replacement conforms to the |
| | Repair or replacement |
| rules of the ASME Code, Section XI. | |
| _ 0 | 1166 |
| Signed My | Ast Eng Sepu Date 4/20, 19 88 |
| Owner o Owner's Designee, | , Title |
| | |
| | |
| | |
| | CERTIFICATE OF INCESTION |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersioned holding a valid norm | ission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of Connect | ticut and employed by HSR III |
| of Hartford | ticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to $4\cdot 3\cdot 19$, and state that to the best of my |
| during the period 2/12/88 | to 4.2) 9 . and state that to the best of my |
| knowledge and belief, the Owner has perfo | ormed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirement | |
| | |
| By signing this certificate neither | the Inspector nor his employer makes any warranty, expressed or implied, |
| concerning the examinations and corrective | ve measures described in the Owner's Report. Furthermore, neither the |
| Inspector nor his employer shall be liab | le in any manner for any personal injury, property damage, or a loss of |
| any kind arising from or connected with | this inspection. |
| 0 | |
| Rozmo | Commissions C7/119 |
| Inspector's Signature | National Board, State, Province, and Endorsements |
| | |
| Date 4 0 1 19 88 | |
| | |

| P.O. Box | Name 128, Waterfor Addr | d, CT | | Sheet _ | 1 | of 2 | |
|----------------|---------------------------------------|-----------------|-------------|---------------------|-------------|--------------------|-------------------------|
| | Addr | | | Sheet _ | 1 0 | of 2 | |
| | Addr | | | | - | | |
| , Plant Mi | 17 - 1 - 1 - 1 | | | | | | |
| , crone m | LISTONE NUCLEA | r Power Station | , | Unit | III | | |
| | Name | | | | | | Le Tarre |
| D 0 D- | 100 Wahaafaa | 4 67 | | M3-87 | -14696/M3-8 | 87~14697 | |
| P.U. BOX | 128, Waterfor Addr | | | | | ork Order Number | |
| | | | | | | | |
| . Work Perfo | ormed by <u>C. N</u> | | | | | | |
| | reame | | | | | | |
| Meriden, | , CT | | | | | | |
| | Addr | ess | | | | | |
| . Identifica | ation of System | Emergency Di | esel Gener | ator Lube 0il | | | |
| . Identifica | action of Compor | ents Repaire 1 | National | d and Replacement C | omponents | Repaired, | ASME Code Stamped |
| Name of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| omponent | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | Or No) |
| EGO-6-TPSR | i i i i i i i i i i i i i i i i i i i | | | | | | |
| 17-119 | S&W | N/A | N/A | N/A | 1987 | Replacement | Yes |
| 20-123 | S&W | N/A | N/A | N/A | 1987 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 7. Description | on of Work Ne | w supports ins | talled as (| detailed on E&DCR # | N-CS-03323 | | |
| | | | | | | erating Pressure / | _/ |

MOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| Remarks None | |
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| | CERTIFICATE OF COMPLIANCE |
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| We certify that the statements | made in the report are correct and this Replacement conforms to the |
| rule. of the ASME Code, Section XI. | Repair or replacement |
| 6 | |
| signed My | Azst Eng Syr Date 4ho, 19 88 |
| Owner or bwner's Desi | gnee, Title |
| | |
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| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | CERTIFICATE OF INSERVICE INSPECTION |
| the undersigned, holding a valid | commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| the undersigned, holding a valid fors and the State or Province of Co | commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| the undersigned, holding a valid fors and the State or Province of Co | commission issued by the National Board of Boiler and Pressure Vessel Inspec- |
| tors and the State or Province of <u>Co</u> of <u>Hartford</u> during the period <u>1/19/88</u> | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my performed examinations and taken corrective measures described in this Owner's |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has | commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&! have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my performed examinations and taken corrective measures described in this Owner's ements of the ASME Code, Section XI. |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&! have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my performed examinations and taken corrective measures described in this Owner's ements of the ASME Code, Section XI. |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir By signing this certificate neiconcerning the examinations and corr | commission issued by the National Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my performed examinations and taken corrective measures described in this Owner's meents of the ASME Code, Section XI. |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir By signing this certificate neiconcerning the examinations and corr | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to grading and state that to the best of my performed examinations and taken corrective measures described in this Owner's ements of the ASME Code, Section XI. Ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir By signing this certificate nei concerning the examinations and corr Inspector nor his employer shall be any kind arising from or connected w | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4-21-17, and state that to the best of my performed examinations and taken corrective measures described in this Owner's mements of the ASME Code, Section XI. Ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| tors and the State or Province of Coof Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir By signing this certificate neiconcerning the examinations and correspond to the concerning the examination of the concerning the examination of the end of the end of the concerning the examination of the end of | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&! have inspected the components described in this Owner's Report to 4-21-1 , and state that to the best of my performed examinations and taken corrective measures described in this Owner's mements of the ASME Code, Section XI. Ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| tors and the State or Province of Co of Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir By signing this certificate nei concerning the examinations and corr Inspector nor his employer shall be any kind arising from or connected w | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to gradient and state that to the best of my performed examinations and taken corrective measures described in this Owner's mements of the ASME Code, Section XI. Ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. |
| tors and the State or Province of Coof Hartford during the period 1/19/88 knowledge and belief, the Owner has Report in accordance with the requir By signing this certificate neiconcerning the examinations and correspond to the concerning the examination of the end of the concerning the examination of the end of the end of the concerning the examination of the end of the | commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB 1&1 have inspected the components described in this Owner's Report to 4-21-37, and state that to the best of my performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. Ither the Inspector nor his employer makes any warranty, expressed or implied, rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of with this inspection. Commissions Commissions |

| | 1961 | ilities Service Co | | Date | 3/9/87 | | |
|-------------------------------|---------------------------------------------------------|-----------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| | | Name | | | | | |
| | P.O. Box 128, Wate | rford CT 06385 | | Sheet | 1 (| of 2 | |
| | | Address | | | | | |
| | | | | | | | |
| . Pla | ant Millstone Nu | | n | Unit _ | 111 | | |
| | | Name | | | | | |
| | P.O. Box 128, Wate | rford, CT 06385 | | M3-87 | 7-03384 | | |
| - | A STATE OF THE OWNER, WHEN PERSON NAMED IN | Address | | A | uthorized Wo | ork Order Number | |
| | | | | | | | |
| . Wor | rk Performed by | | | | | | |
| | | Name | | | | | |
| | P.O. Box 128, Wate | rforc, CT | | | | | |
| | | Address | | | | | |
| | | | | | | | |
| , Ide | entification of Sy | stem _CCP | | | | | |
| 1 |) Applicable Cons | touching Code AC | WE 111 | 1971 Edition | 573 | Addenda N/A | Code Case |
| |) Applicable Edit | | | Annual Contract Contr | | The state of the s | |
| | , applicable cure | TON OF DECEMBER AT | 00111200 10 | . negative of negati | 12. | | |
| 5. Ide | entification of Co | mponents Repaired | or Replaced | and Replacement (| Components | | |
| | | | | | | | |
| | | | | | | | ACME |
| | | | | | | | ASME Code |
| | | | National | | | Repaired, | ASME Code Stamped |
| Name of | f Name of | Manufacturer | National Board | Other | Year | Repaired, Replaced, | Code |
| | | | | Other Identification | Year Built | | Code Stamped |
| Componer | nt Manufactur | | Board | | | Replaced, | Code Stamped (Yes |
| Name of Componer | nt Manufactur | | Board | Identification | | Replaced, | Code Stamped (Yes |
| Componer CP372076 | nt Manufactur | | Board | | | Replaced, | Code Stamped (Yes |
| Componer CP372076 | nt Manufactur | er Serial No. | Board No. | Identification ExDCR | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Componer | nt Manufactur | er Serial No. | Board No. | Identification ExDCR | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| emponer | nt Manufactur | er Serial No. | Board No. | Identification ExDCR | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Componer | nt Manufactur | er Serial No. | Board No. | Identification ExDCR | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Componer CP372076 | nt Manufactur | er Serial No. | Board No. | Identification ExDCR | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Componer | nt Manufactur | er Serial No. | Board No. | Identification ExDCR | Built | Replaced, or Replacement | Code Stamped (Yes Or No) |
| CP372076 H007 | nt Manufactur 6 S&W | er Serial No. | Board No. | Identification E+DCR FJ38000 | Built 1981 | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Componer CP372078 -H007 | nt Manufactur 6 S&W scription of Work | N/A Replacement of a | Board No. N/A | ExDCR FJ38000 | Built 1981 | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |
| Componer CP372078 -H007 | nt Manufactur 6 S&W scription of Work | N/A Replacement of a | Board No. N/A | ExDCR FJ38000 | Built 1981 | Replaced, or Replacement | Code Stamped (Yes Or No) |
| Componer CP372078 -H007 | nt Manufactur 6 S&W scription of Work sts Conducted: | N/A Replacement of a | Board No. N/A N/A | E+DCR FJ38000 | Built 1981 embly Nominal Op | Replaced, or Replacement Replacement | Code Stamped (Yes Or No) |

E: 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 report is included on each sheet, and (3) each sheet is numbered and the number of sheats is recorded at the top of this form.

| FORM NIS-2 (Back) | |
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| | |
| Remarks None | |
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| CERTIFICATE OF COMPLIANCE | |
| | |
| We certify that the statements made in the report are correct and this Replacement confo | rms to the |
| Repair or replacement | |
| rules of the ASME Code, Section XI. | |
| Signed Tuly Asst Eng Super Date 4/20. | 00 |
| Signed 100 Date 1100, | 19 00 |
| Owner <u>of Owner's Designez</u> , Title | |
| | |
| | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| | d and a second |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vess | el Inspec+ |
| tors and the State or Province of Connecticut and employed by HSB 1&1 | . I. Decemb |
| of Hartford have inspected the components described in this Owne during the period $3/11/88$ to $4\cdot1$, 8 , and state that to the | r's keport |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in t | his Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. | its owner's |
| | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed o | |
| concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neit | |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a | loss of |
| any kind arising from or connected with this inspection. | |
| Ry 3rm commissions CT/1/9 | |
| Inspector's Signature National Board, State, Province, and Endors | ements |
| | |
| Date | |

| . Owner _ | Northeast Utili | ties | | Date | 12/12/87 | | |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|-------------------------------------------|
| | Nam | е | | | | | |
| P.O. | Box 128, Waterfo | rd, CT | | Sheet | 1 0 | f 2 | |
| | | ress | | | 5.5 | | |
| . Plant | Millstone Nucle | ar Power Station | n | Unit | m | | |
| . ,,,,,,, | Nam | | | | | POTENTIAL PROPERTY. | |
| 5.0 | D 100 W-1 | 67 | | M3-87 | 7-13868/M3-8 | 7-13870 | |
| P.O. | Box 128, Waterfo Add | ress | | THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS ASSESSED. | | rk Order Number | |
| | | | | | | | |
| . Work Pe | rformed by C. | | | | | | |
| | Nam | е | | | | | |
| Merid | len, CT | | | | | | |
| | Add | ress | | | | | |
| . Identif | ication of Syste | m Service Wat | er System | | | | |
| (b) Ap | plicable Constru plicable Edition | of Section XI | | | | 3, 583 | |
| (b) Ap Identif | plicable Edition | of Section XI | | Other | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Ap | plicable Edition ication of Compo | of Section XI | or Replaced National Board | and Replacement C | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) Ap Identif Name of omponent -SWP-6- | plicable Edition ication of Compo | of Section XI | or Replaced National Board | Other | Components | Repaired, Replaced, | Code Stamped (Yes |
| (b) App. Identif | Name of Manufacturer | of Section XI nents Repaired Manufacturer Serial No. | National Board No. | Other Identification N-CS- | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap Identif Name of omponent -SWP-6- SR-214 | Name of Manufacturer S&W | of Section XI nents Repaired Manufacturer Serial No. | National Board No. | Other Identification N-CS- 3186 | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| (b) Ap Identif Name of omponent -SWP-6- SR-214 | Name of Manufacturer S&W | of Section XI nents Repaired Manufacturer Serial No. N/A N/A | National Board No. | Other Identification N-CS- 3186 | Year Built N/A | Repaired, Replaced, or Replacement Modification | Code Stamped (Yes Or No) No |
| (b) Ap Identif Name of omponent -SWP-6- SR-214 SR-227 | Name of Manufacturer S&W S&W | Manufacturer Serial No. N/A N/A | National Board No. | Other Identification N-CS- 3186 3145 | Year Built N/A N/A | Repaired, Replaced, or Replacement Modification Modification | Code Stamped (Yes Or No) No No |
| (b) Ap Identif Name of omponent -SWP-6- SR-214 SR-227 SR-226 | Name of Manufacturer S&W S&W S&W | Manufacturer Serial No. N/A N/A N/A | National Board No. N/A N/A | Other Identification N-CS- 3186 3145 3145 | Year Built N/A N/A N/A | Repaired, Replaced, or Replacement Modification | Code Stamped (Yes Or No) No No No |
| (b) Apple of Identification of Component SR-214 SR-227 SR-226 | Name of Manufacturer S&W S&W S&W Conducted: Hydelegate Hydeleg | Manufacturer Serial No. N/A N/A N/A N/A N/A | National Board No. N/A N/A N/A Pneumat | Other Identification N-CS- 3186 3145 3145 | Year Built N/A N/A N/A N/A Nominal Ope | Repaired, Replaced, or Replacement Modification Modification | Code Stamped (Yes Or No) No No No |

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

| | FORM | RM NIS-2 (Back) | |
|----------------------------------------|--------------------|---------------------------------------------------------|--------|
| 9. RemarksAttachment of tube stee | el, plate and angl | gle to QA Cat. 1 SWP Pipe supports is required to | |
| support installation of Emergency | Diesel Air Dryer | er System. | |
| | | | 1.76 |
| | | | |
| | | | |
| | | | |
| | CERTIFIC | ICATE OF COMPLIANCE | |
| We certify that the statements ma | de in the report | t are correct and this Replacement conforms t | o the |
| rules of the ASME Code, Section XI. | | Repair or replacement | |
| Tures or the Asia code, section XI. | 1 | | |
| Signed Owner's Design | 131 Er | rg Syn Date 4/20, 19 | 8 |
| | 44.5 | | |
| | CEDITIEICATE (| OF INSERVICE INSPECTION | |
| | CERTIFICATE | OF INSERVICE INSPECTION | |
| | | by the National Board of Boiler and Pressure Vessel In | spec- |
| tors and the State or Province of Conn | ecticut | and employed by HSB 1&1 | |
| of Hartford | have | ve inspected the components described in this Owner's R | eport |
| bowledge and helief the Owner has no | to_ | tions and taken corrective measures described in this C | of my |
| Report in accordance with the requirem | riormed examinati | tions and taken corrective measures described in this C | wnor's |
| | TOTAL OF CITO MONE | soot section at | |
| By signing this certificate neith | er the Inspector | r nor his employer makes any warranty, expressed or imp | lied. |
| | | escribed in the Owner's Report. Furthermore, neither t | |
| | | ner for any personal injury, property damage, or a loss | |
| any kind arising from or connected wit | | | |
| Ry 3m | Commission | ons CT///A | |
| Inspector's Signature | | National Board, State, Province, and Endorsement | 5 |
| | | | |
| Date | YX | | |
| | | | |

7. EXAMINATION CLASS BOUNDARY DIAGRAMS

| Drawi | ng | Num | ber |
|-------|----|-----|-----|
|-------|----|-----|-----|

Class 1 Boundaries 25212-20997

Class 2 Boundaries 25212-20998 Sh. 1 & 2

Class 3 Boundaries 25212-20999 Sh. 1, 2, & 3

| . Owner Northeast Utilities Service Co. | Date | 1/8/88 | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------|-------------------------------------------------------------|--------------------------------------------------|
| Name | | | | |
| P.O. Box 128, Waterford, CT 06385 | Sheet | 1 (| of 2 | |
| Address | | | | |
| Plant Millstone Station | Unit | 111 | | |
| Name | | | | |
| P.O. Box 128, Waterford, CT | M3-87 | 17097 | | |
| Address | Autho | orized Work | Order Number | |
| . Work Performed byMillstone Station | | | | |
| Name | | | | |
| P.O. Box 128, Waterford, CT | | | | |
| Address | | | | |
| . Identification of System _ Service Water | | | | |
| | | | | |
| | AND BUILDING 1 | 472 | Laterale Will | Carle Car. |
| (a) Applicable Construction Code ASME | 1971 Edition, | 116 | Addenda, N/A | _ Code Case |
| (a) Applicable Construction Code ASME | | | | _ code case |
| (b) Applicable Edition of Section XI Utilized f | for Repairs or Replac | cements 198 | | _ Code Case |
| | for Repairs or Replac | cements 198 | | _ code case |
| (b) Applicable Edition of Section XI Utilized f | for Repairs or Replac | cements 198 | | ASME |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace | for Repairs or Replaced and Replacement Co | cements 198 | 33, 583 | ASME Code |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace National | for Repairs or Replaced and Replacement Co | cements 198 | Repaired, | ASME Code Stamped |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace National Name of Name of Manufacturer Board | for Repairs or Replaced and Replacement Co | omponents Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace National Name of Name of Manufacturer Board | for Repairs or Replaced and Replacement Co | cements 198 | Repaired, | ASME Code Stamped |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | for Repairs or Replaced and Replacement Co | omponents Year | Repaired, Replaced, | ASME Code Stamped (Yes |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | for Repairs or Replaced and Replacement Co | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | for Repairs or Replaced and Replacement Co | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | for Repairs or Replaced and Replacement Co | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | for Repairs or Replaced and Replacement Co | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. | for Repairs or Replaced and Replacement Co | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. SWP-7-PSA33 Southwest 39558 N/A | for Repairs or Replaced and Replacement Co | omponents Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. SWP-7-PSA33 Southwest 39558 N/A | for Repairs or Replaced and Replacement Co | year Built 1984 | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board omponent Manufacturer Serial No. No. SWP-7-PSA33 Southwest 39558 N/A Oote: PDCE 3-87-101 Description of Work Addition of flanges to face. | Other Identification FW 83-1 | of strain | Repaired, Replaced, or Replacement Replacement | ASME Code Stamped (Yes Or No) Yes |
| (b) Applicable Edition of Section XI Utilized for Identification of Components Repaired or Replace Name of Name of Manufacturer Board Component Manufacturer Serial No. No. ISWP-7-PSA33 Southwest 39558 N/A Note: PDCE 3-87-101 | Other Identification FW 83-1 | of strain | Repaired, Replaced, or Replacement Replacement Replacement | ASME Code Stamped (Yes Or No) Yes |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the

number of sheets is recorded at the top of this form.

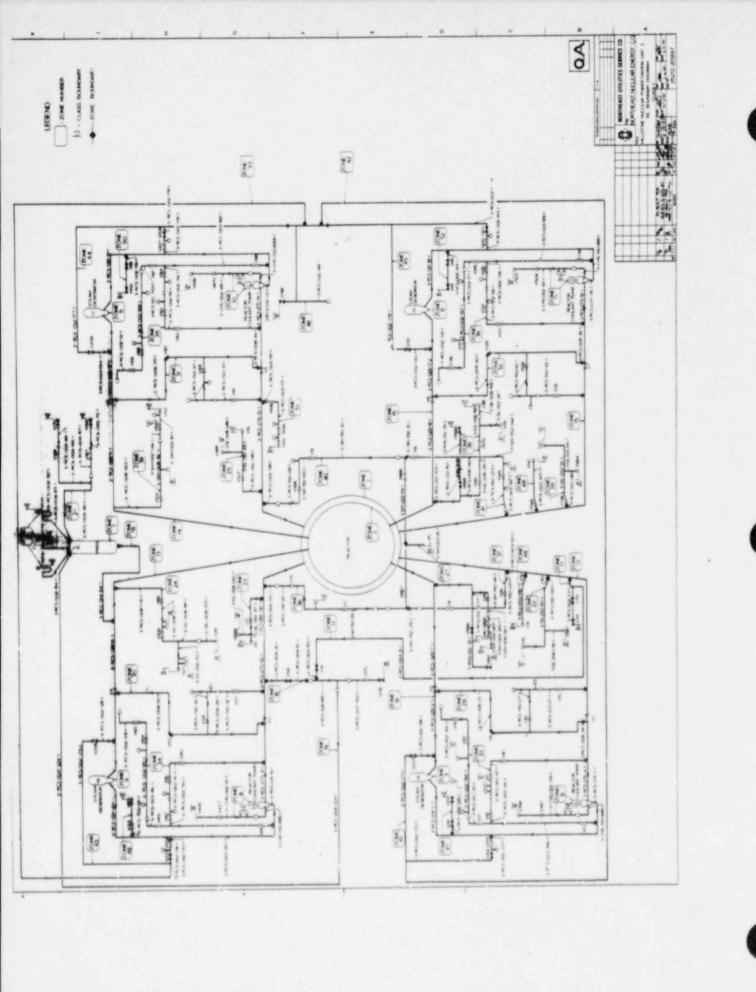
| FORM NIS-2 (Back) | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Remarks None | |
| Remarks Note | |
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| | |
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| | |
| CERTIFICATY: OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this Replacement conforms to | o the |
| Repair or replacement | |
| rules of the ASME Code, Section XI. | |
| Signed My Date 4/20, 19_ Owner or owner's Designee, Title | 88 |
| Owner or Owner's Designee. Title | |
| | |
| | |
| | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| | |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Yessel In | spec- |
| tors and the State or Province of Connecticut and employed by HSB 161 | |
| of Hartford have inspected the components described in this Owner's R during the period $12/8/87$ to $4/12/88$, and state that to the best | of my |
| knowledge and belief, the Owner has performed examinations and taken corrective measures described in this O | wner' |
| 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 imp concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither t | |
| Inspector nor his employer shall be liable in any manner for any personal injury, property damage, or a loss | |
| any kind arising from or connected with this inspection. | |
| | |
| ADZO- Commissions CT1115 | |
| Inspector's Signature National Board, State, Province, and Endorsement | 5 |
| Date | |
| | |
| | |

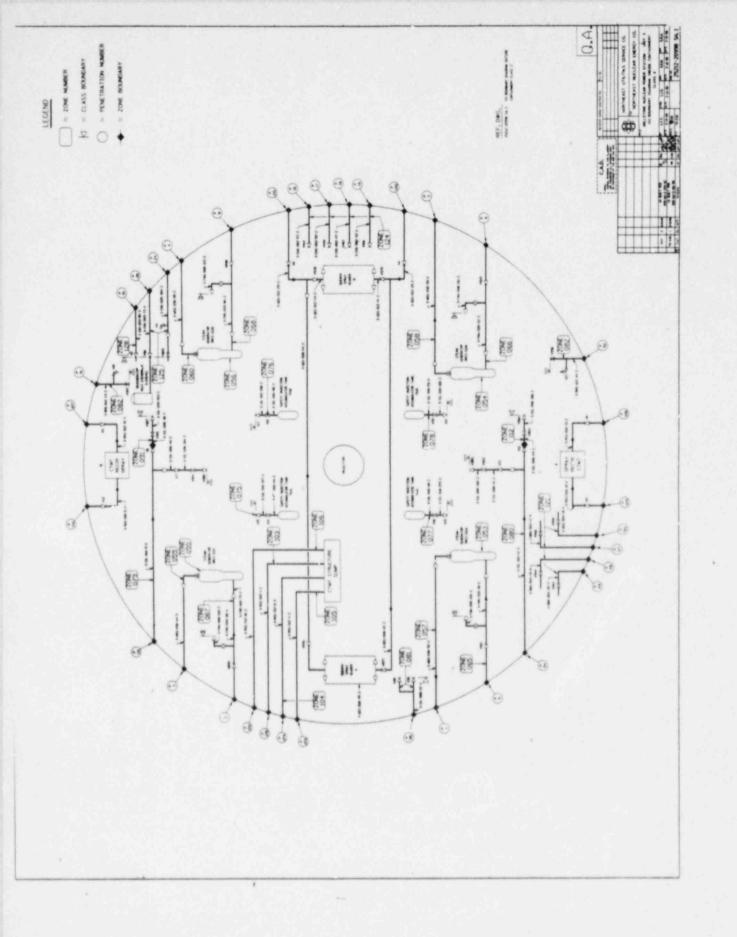
| . Owner | Northeast Utiliti | ies Service Co. | | Date | 4/11/88 | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|----------------------------------|----------------------|---------------------------------------------------------|------------------------------------------|
| | Name | | | | | | |
| P.0 |). Box 128, Waterford | , cT | | Sheet | 1 | of 2 | |
| | Addre | | | | | | |
| Plant | Millstone Station | | | Unit _ | 111 | | |
| | Name | | | | | | |
| P. 0 | D. Box 128, Waterford | , CT | | M3-8 | 7-17516 | | |
| - | Addre | | | Auti | horized Wor | k Order Number | |
| . Work | Performed by Mill: | stone Station | | | | | |
| | Name | | | | | | |
| D (| D. Box 128, Waterford | 1. 01 | | | | | |
| | Addre | | | | | | |
| | | | | | | | |
| . Ident | tification of System | Reactor Coo' | ant Syste | em | | | |
| (6) | Applicable Construct Applicable Edition of | of Section XII | | | | 983, S83 | |
| (6) | The second secon | of Section XII | | | | 983, 583 | ASME |
| (b) | Applicable Edition | of Section XII | or Replace | ed and Replacement | | | Code |
| (b) | Applicable Edition of tification of Components | of Section XII | | ed and Replacement | Components | Repaired, | |
| (b) . Ident | Applicable Edition of tification of Components | of Section XI (| or Replace | ed and Replacement | | | Code Stamped |
| (b) . Ident | Applicable Edition of tification of Compone Name of | of Section XI (| National Board | ed and Replacement | Components | Repaired, | Code Stamped (Yes |
| (b) . Ident | Applicable Edition of tification of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Applicable Edition of tification of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Applicable Edition of tification of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Applicable Edition of tification of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Applicable Edition of tification of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of | Applicable Edition of tification of Compone Name of Manufacturer | ents Repaired of Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component | Applicable Edition of tification of Compone Name of Manufacturer Westinghouse | Manufacturer Serial No. | National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | Code Stamped (Yes Or No) |
| Name of component | Applicable Edition of tification of Component of Manufacturer Westinghouse | Manufacturer Serial No. | National Board No. | Other Identification NF Support | Year Built N/A | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |
| Name of component | Applicable Edition of tification of Component of Manufacturer Westinghouse ription of Work Se | Manufacturer Serial No. N/A e remarks ostatic /_/ | National Board No. N/A | Other Identification NF Support | Year Built N/A | Repaired, Replaced, or Replacement Replacement | Code Stamped (Yes Or No) Yes |

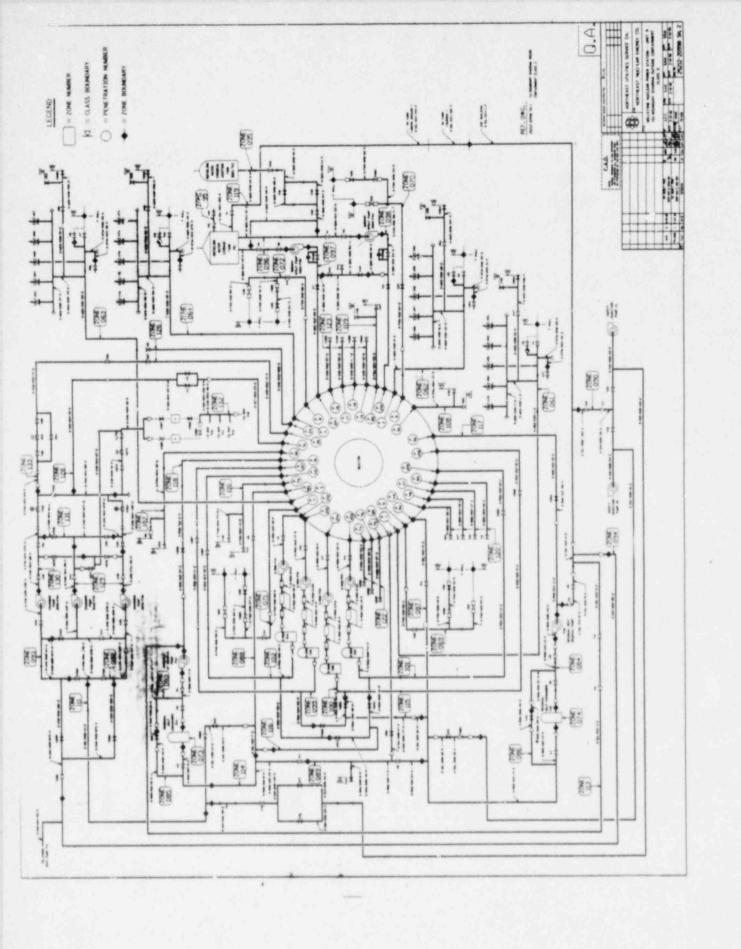
E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 85 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

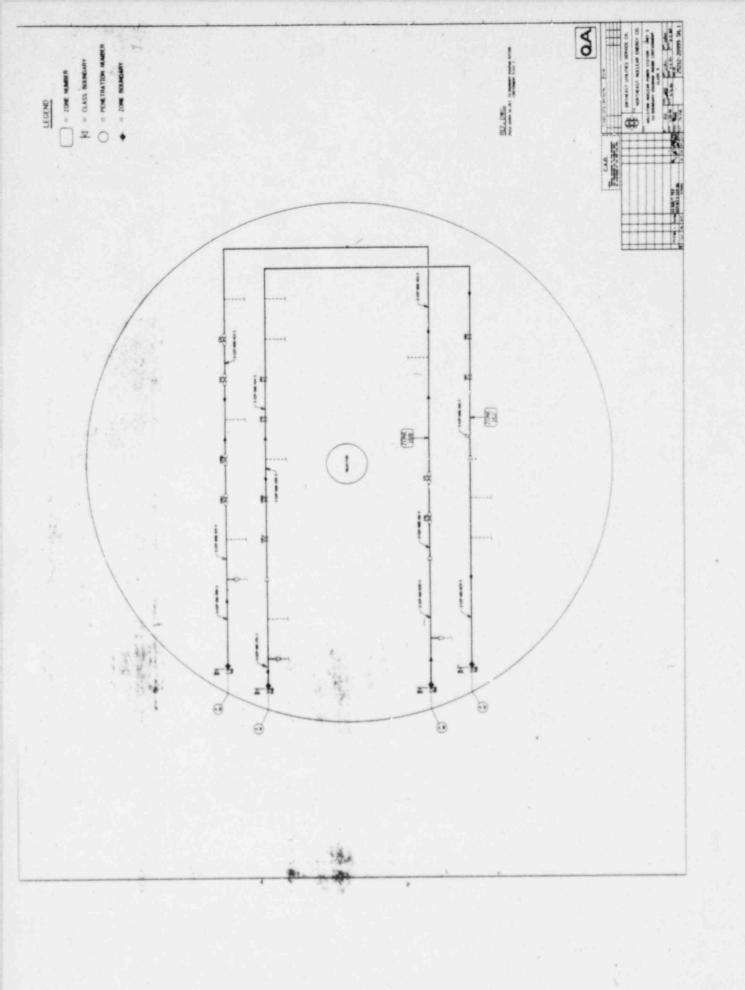
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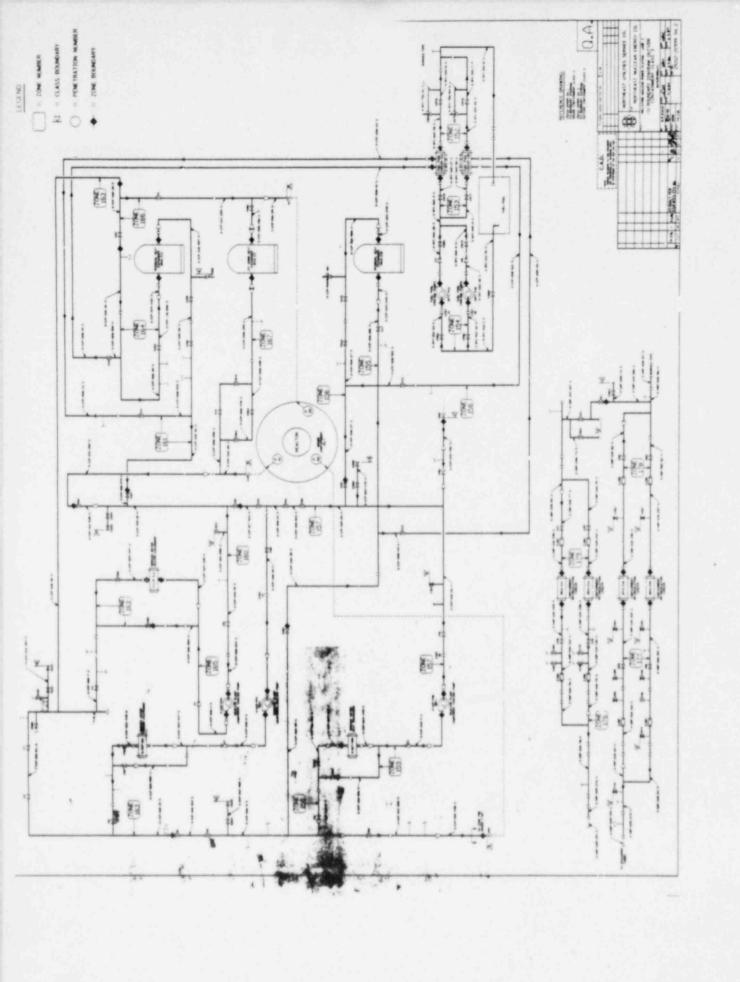
| support strut pins (3" dia.)) | to facilitate the disassembly. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| | |
| | CERTIFICATE OF COMPLIANCE |
| | CERTIFICATE OF COMPLIANCE |
| We certify that the statement | s made in the report are correct and this $\frac{\text{Replacement}}{\text{Repair or replacement}}$ conforms to the |
| ules of the ASME Code, Section XI | |
| signed only. | Ast En Syu Date 4/0, 19 f8 |
| The state of the s | |
| Owner or Owner's De | signee, Title |
| the undersigned, holding a vali | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonecticut and employed by HSB 1&1 |
| the undersigned, holding a vali | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspections and employed by HSB 1&1 bays inspected the components described in this Owner's Report |
| the undersigned, holding a validors and the State or Province of Hartford December 11, 1 mowledge and belief, the Owner ha | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspectonnecticut and employed by HSB 1&1 have inspected the components described in this Owner's Report to April 12, 1988, and state that to the best of my |
| the undersigned, holding a valiors and the State or Province of Hartford Uring the period December 11, 1 nowledge and belief, the Owner had eport in accordance with the requirement of the examinations and conspector nor his employer shall be | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB I&I have inspected the components described in this Owner's Report 987 to April 12, 1988, and state that to the best of my is performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. Weither the Inspector nor his employer makes any warranty, expressed or implied, in rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |
| the undersigned, holding a validors and the State or Province of Hartford during the period December 11, 1 mowledge and belief, the Owner has deport in accordance with the requirement of the examinations and conspector nor his employer shall be any kind arising from or connected | CERTIFICATE OF INSERVICE INSPECTION d commission issued by the National Board of Boiler and Pressure Vessel Inspection and employed by HSB I&I have inspected the components described in this Owner's Report 987 to April 12, 1988, and state that to the best of my is performed examinations and taken corrective measures described in this Owner's rements of the ASME Code, Section XI. Weither the Inspector nor his employer makes any warranty, expressed or implied, in rective measures described in the Owner's Report. Furthermore, neither the liable in any manner for any personal injury, property damage, or a loss of |

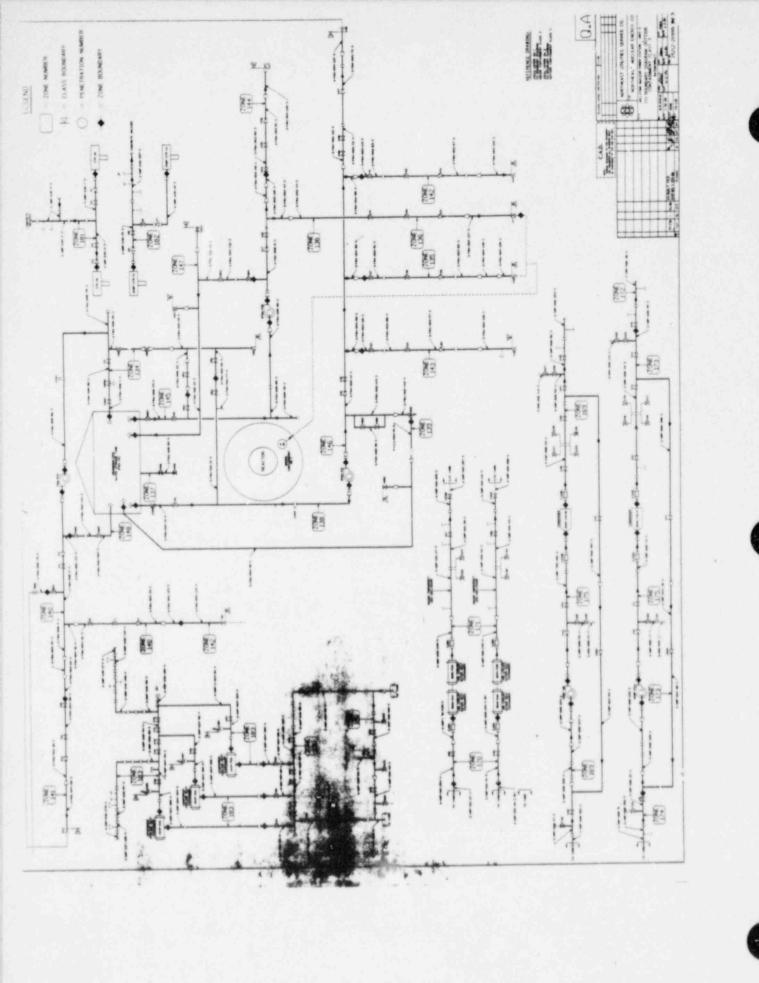












7.1 Examination (Zone) Isometric Drawings

Summary Table Examination Zone Listing

| ZONE | | Drawing Number | | |
|------|----------------------------------|----------------|---------------|--|
| | CLASS 1 SYSTEMS | NDE | HANGER | |
| 1 | Reactor Pressure Vessel | 20900 | N/A | |
| 3 | Steam Generator 1A Primary Side | 20901 | N/A | |
| | Steam Generator 1B Primary Side | 20902 | N/A | |
| 8 | Reactor Coolant Pump 1A | 20906, 20914 | | |
| 14 | Reactor Coolant Piping Loop 3 | 20912 | N/A | |
| 15 | Reactor Coolant Piping Loop 4 | 20913 | N/A | |
| 16 | Pressurizer Surge Line | 20918 | 20993 Sh. 16 | |
| 19 | Pressurizer Spray Line Combined | 20921 | 20993 Sh. 19 | |
| 25 | Safety Injection Loop C (10") | 20927 | 20993 Sh. 25 | |
| 27 | Residual Heat Removal & 6" HPSI | | | |
| | Combined (Loop A) | 20929 | 20993 Sh. 27 | |
| 37 | HPSI Loop A (1½") | 20939 | 20993 Sh. 37 | |
| | CLASS 2 SYSTEMS | | | |
| 53 | Steam Generator A Secondary Side | 20955 | 20993 Sh. 53 | |
| 57 | Main Steam Loop C | 20959 | 20993 Sh. 57 | |
| | Inside Containment | 20333 | 20000 0111 01 | |
| 62 | Main Steam Loop B | | | |
| 64 | Outside Containment | 20976 | 20993 Sh. 62 | |
| | Main Steam Loop D | 20370 | 20993 511. 02 | |
| 04 | Outsice Containment | 20978 | 20993 Sh. 64 | |
| 65 | Main and Auxiliary Feedwater | 20970 | 20993 311. 04 | |
| 0.5 | Loop A Inside Containment | 20963 | 20993 Sh. 65 | |
| 66 | Main and Auxiliary Feedwater | 20903 | 20993 511. 03 | |
| 00 | | 20061 | 20993 S' 66 | |
| 67 | Loop B Inside Containment | 20964 | 20993 S' 66 | |
| 07 | Main and Auxiliary Feedwater | 20065 | 20002 01 73 | |
| 6.0 | Loop C Inside Containment | 20965 | 20993 Sh. 67 | |
| 68 | Main and Auxiliary Feedwater | 20077 | 20002 01 64 | |
| 21 | Loop D Inside Containment | 20966 | 20993 Sh. 68 | |
| 74 | Residual Heat Removal Heat | | | |
| | Exchanger "B" | 20984 | 20993 Sh. 74 | |
| 75 | Safety Injection Tank A to | | | |
| | Loop A | 20967 | 20993 Sh. 75 | |
| 80 | Safety Injection, Penetration 94 | | | |
| | to Loop C, D | 20972 | 20993 Sh. 80 | |
| 88 | Low Pressure Safety Injection | 20865 | 20993 Sh. 88 | |
| 91 | Low Pressure Safety Injection | 20868 | 20993 Sh. 91 | |
| | CLASS 3 SYSTEMS | | | |
| 169 | SWP from EGS #E2A and E2B Pumps | | | |
| | to Yard | | 20993 Sh. 16 | |
| | | | | |

