INSERVICE INSPECTION REPORT

Class II Systems

Millstone Nuclear Power Station

Unit # 2

P.O.Box 128

Waterford, Connecticut 06385

Owner:

Northeast Nuclear Energy Company
P.O.Box 270
Hartford, Connecticut 06101

Commercial Service Date:
December 26, 1975

Report Date:
August 13, 1982

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Form NIS-1 Owners Data Report For Inservice Inspections

As Required By The Provisions Of The ASME Code Rules

1.Owner: Northeast Nuclear Energy Company, P.O. Box 270 Hartford, Ct. 06101

2.Plant: Millstone Nuclear Power Station, P.O.Box 128 Waterford, Ct. 06385

3.Plant Unit: 2

4.Owner Certificate Of Authorization (If required): Not Required

5.Commercial Service Date: December 26, 1975

6.National Board Number For Unit: 20914

7.Components Inspected:

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
S.G.#1	M-Combustion I-Bechtel	N/A	N/A	20928
Support Members And Components For Piping, Valves And Pumps	I-Bechtel	N/A	N/A	N/A

8.Examination Dates: December 1981 to June 1982

9.Inspection Period: From April 1979 to August 1982

10.Abstract Of Examinations:Include a List Of Examinations and a Statement Concerning Status Of Work Required For Current Interval.

Class II Systems: 22 Examinations Were Performed.This and Previous Examinations Performed Represent 100 Percent Of The Examinations Required For The Current Period.

11.Abstract Of Conditions Noted: No Reportable Indications Were Identified In the Class II Portion Of The Program.
Several Hangers Were Identified As Being Removed And Several Hangers Were Added To The Lines. This Is A Result Of The Ongoing 79-02 & 79-14 Programs.

12. Abstract Of Corrective Measures Recommended And Taken: The 10 Year Program Will Be Updated And Hangers Deleted And Added As Necessary, Also The Isometric Drawings Will Be Changed To Reflect The Changes Observed During The Examinations.

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 9/22/82

By J.J.Kelley

J.J.Kelley
Superintendent, Millstone Unit #2

Certification Of Authorization No. (if applicable): N/A

CERTIFICATE OF INSERVICE INSPECTION

I the undersisned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of CT. and employed by the Hartford Steam Boiler Inspection and Insurance Company of Hartford Ct. have inspected the components described in this Owner's Data Report during the period of 12-81 to 6-82, 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 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 Owner's 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: 9-9-82

R.L. Zoner
Inspector's Signature

Commissions CT 1119
National Board, State, Province and No.

INTRODUCTION

This report contains the results of the second Class II inspection inspection of the Millstone Nuclear Power Station Unit # 2.
The examinations were performed to meet the requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1974 Edition, including the Summer 1975 Addenda. The Class III examination records are on file at Millstone Unit # 2 for review.

The examinations were performed by personnel from the Northeast Utilities Service Co., Nuclear Engineering & Operations group, and personnel from Magnaflux Quality Services Co.

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

All items listed in this report are creditable items in the Inservice Inspection Ten-Year Class II Program.

DEFINITIONS

Volumetric: Ultrasonic test (U.T.)

Visual: Visual examination (V.T.)

Surface: Penetrant test (P.T.)

Reportable indications (U.T.): Those indications which equal or exceed the recording requirements of the respective procedure and that are determined not to be geometric reflectors after preliminary evaluation by a level III.

No reportable indications (U.T.): A) Those indications which are less than the recording requirements of the respective procedure.
B) Those indications which equal or exceed the recording requirements of the respective procedure but that are determined to be caused by geometric reflectors after preliminary evaluation by a level III.

Satisfactory (V.T.): Those visual examinations for which no degradation of component integrity was observed, that meets the requirements of the respective procedure.

No reportable indications (P.T.): Those surface examinations which resulted in findings within the acceptance criteria listed in the respective procedure.

NDE PROCEDURES

Procedure Number	Revision & Date		Title
NU-UT-1	2	3/18/81	Ultrasonic Examination Procedure General Requirements
NU-UT-2	0		Ultrasonic Examination Procedure For Austenetic Piping Welds
NU-UT-18	0	3/18/81	Ultrasonic Examination Procedure For Steam Generator Welds
NU-VT-1	1	12/12/78	Procedure For Visual Examination
NU-LP-1	1	3/18/81	Procedure For Liquid Penetrant Examination

PERSONNEL QUALIFICATIONS

NUSCo	Method	ASNT-TC-1A Level
Richard J. Fuller, Jr.	VT,PT,UT,MT	II,II,II,II
Steven L. Sikorski	VT,PT,UT,MT,RT	III,III,III,II,III
Raymond A. West	VT,PT,UT,RT	II,II,II,II

Magnaflux	Method	ASNT-TC-1A Level
Peter Durand	VT,UT	II,I
Thomas Jellema	VT	II

ULTRASONIC TEST INSTRUMENT LIST

Manufacturer	Model	Serial Number
Krautkramer-Branson	USL-38	210158
Krautkramer-Branson	USL-38	QA-3030

ULTRASONIC TRANSDUCER LIST

Manufacturer	Model	Serial Number	Frequency(MHz)
K-B-Aerotech	Gamma .750"dia.	J05932	2.25
K-B-Aerotech	Gamma .5"X1.0"	B26091	2.25
Sonic	.5"X1.0"	00841T	2.25

MATERIAL LIST

Item	Manufacturer	Type	Batch Number
UT Couplant	K-B-Aerotech	Exosen-20	0821802001
Spotcheck Cleaner	Magnaflux Corp.	SKC-S Formula B	81H055
Spotcheck Penetrant	Magnaflux Corp.	SKL-HF/SKL-S Formula B	80C112
Spotcheck Developer	Magnaflux Corp.	SKD-S Formula B	80C091

CATEGORY C-A

Examination Area: Circumferential Butt Welds

Examination Method: Volumetric

Examination Item	Results	Remarks
1-SC-2	No Reportable Indications	None
SG-1-THS-2	No Reportable Indications	None
SIAC-A-1	No Reportable Indications	None
SIAC-A-2	No Reportable Indications	None

CATEGORY C-E-1

Examination Area: Integrally Welded Supports

Examination Method: Surface

Examination Item	Results	Remarks
312012	No Reportable Indications	None

CATEGORY C-E-2

Examination Area: Support Components

Examination Method: Visual

Examination Item	Results	Remarks
402103	Satisfactory	None
S.G.#1 SS-1	Satisfactory	None
S.G.#1 SS-2	Satisfactory	None
S.G.#1 SS-3	Satisfactory	None
S.G.#1 SS-4	Satisfactory	Initial inspection revealed 2 loose nuts nuts were tightened, reexamined and found satisfactory
S.G.#1 SS-5	Satisfactory	None
S.G.#1 SS-6	Satisfactory	None
S.G.#1 SS-7	Satisfactory	None
S.G.#1 SS-8	Satisfactory	None
S.G.#2 SS-1	Satisfactory	None
S.G.#2 SS-2	Satisfactory	None
S.G.#2 SS-3	Satisfactory	None
S.G.#2 SS-4	Satisfactory	None
S.G.#2 SS-5	Satisfactory	None
S.G.#2 SS-6	Satisfactory	None
S.G.#2 SS-7	Satisfactory	None
S.G.#2 SS-8	Satisfactory	None

ATTACHMENT