



Entergy Nuclear Vermont Yankee, LLC  
Entergy Nuclear Operations, Inc.  
185 Old Ferry Road  
Brattleboro, VT 05302-0500

January 9, 2003  
BVY 03-02

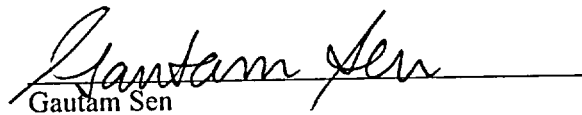
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

**Subject: Vermont Yankee Nuclear Power Station  
License No. DPR-28 (Docket No. 50-271)  
Vermont Yankee 2002 Summary Reports for  
In-service Inspection and Repairs or Replacements**

In accordance with Article IWA-6000 of Section XI of the ASME Boiler and Pressure Vessel Code, Vermont Yankee (VY) hereby submits the 2002 Form NIS-1 Owner's Summary Report for In-service Inspections and the 2002 Form NIS-2 Owner's Summary Report for Repairs and Replacements. These reports describe the in-service inspections, repairs and replacements performed during the period May 21, 2001 through October 25, 2002. VY's third ten-year interval began September 1, 1993.

We trust that the information provided is adequate; however, should you have questions or require additional information, please contact Mr. Jim DeVincentis at (802) 258-4236.

Sincerely,

  
Gautam Sen  
Manager, Licensing

Attachments

cc: USNRC Region 1 Administrator  
USNRC Resident Inspector – VYNPS  
USNRC Project Manager – VYNPS  
Vermont Department of Public Service  
Inspection Agency – Factory Mutual Insurance Company

A047

## SUMMARY OF VERMONT YANKEE COMMITMENTS

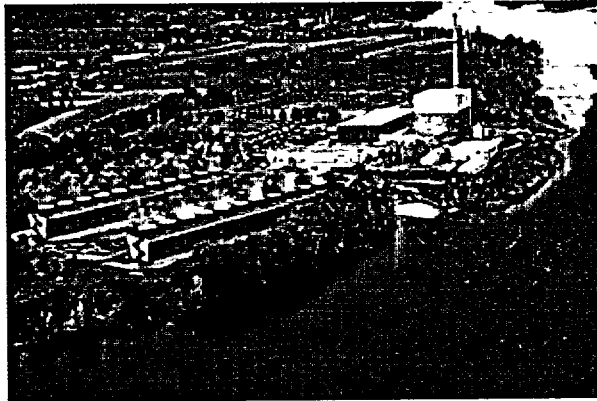
**BVY NO.: 03-02 Vermont Yankee 2002 Summary Reports for In-service Inspection and Repairs or Replacements**

The following table identifies commitments made in this document by Vermont Yankee. Any other actions discussed in the submittal represent intended or planned actions by Vermont Yankee. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager of any questions regarding this document or any associated commitments.

COMMITMENT	COMMITTED DATE OR "OUTAGE"
None	N/A



## Entergy Northeast Vermont Yankee



### 2002 Form NIS-1 Owner's Summary Report For Inservice Inspections

May 21, 2001 through October 25, 2002

Reviewed by:

A handwritten signature in black ink, appearing to be "P. B. K.", written over a horizontal line.

Inservice Inspection Coordinator

Date: 12-16-02

Approved by:

A handwritten signature in black ink, appearing to be "J. R. D.", written over a horizontal line.

System Engineering Manager

Date: 12-16-02

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**  
**As Required by the Provisions of the ASME Code Rules**

1. Owner Entergy Northeast Vermont Yankee, 185 Old Ferry Road, Brattleboro VT 05352  
(Name and Address of Owner)
2. Plant Entergy Northeast Vermont Yankee, P.O. Box 157, Governor Hunt Road, Vernon, VT 05354-0157  
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) DPR-28
5. Commercial Service Date 11/30/72 6. National Board Number for Unit NONE
7. Components Inspected - SEE ATTACHED PAGES 2 THROUGH 16.
8. Examination Dates 5/21/01 to 10/25/02 9. Inspection Interval from 9/1/93 to 8/31/2003
10. Applicable Editions of Section XI 1986 Addenda None
11. Abstract of Examinations Including a list of examinations and a statement concerning status of work required for current interval - SEE ATTACHED PAGES 2 THROUGH 18.
12. Abstract of Conditions Noted - SEE ATTACHED PAGES 19 and 20.
13. Abstract of Corrective Measures Recommended and Taken - SEE ATTACHED PAGES 19 and 20.

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.

Certificate of Authorization No. (If applicable) DPR-28 Expiration Date 3/21/2012  
Date December 18, 2002 Signed Entergy Nuclear By D. Leach  
Owner Vermont Yankee Don Leach

**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 Vermont and employed by Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owner's Report during the period May 21, 2001 to October 25, 2002 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI

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

D. Leach Commissions VT-350  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 12-19-2002

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**Entergy Northeast Vermont Yankee**  
**Owner Certification: DPR-28**  
**Commercial Service date: 11/30/72**

**Components Inspected/Abstract of examinations**  
**Sections 7 and 11**

<i>ASME Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System ID</i>	<i>Drawing No.</i>	<i>Examination Results</i>
B-A	BC RPV Head to Flange Weld	UT, MT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N4C-IR Feedwater Nozzle Inner Radius	UT Inner Radius	Nuclear Boiler	ISI-RPV-103	Acceptable Examined area that was limited during RFO-22.
B-D	N5B RPV Nozzle to Shell Weld	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N5B-IR RPV Nozzle Inner Radius	UT Inner Radius	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N6A RPV Head Nozzle to Shell Weld	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N6A-IR RPV Head Nozzle Inner Radius	UT Inner Radius	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N6B RPV Head Nozzle to Shell Weld	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N6B-IR RPV Head Nozzle Inner Radius	UT Inner Radius	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N7 RPV Head Nozzle to Shell Weld	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N7-IR RPV Head Nozzle Inner Radius	UT Inner Radius	Nuclear Boiler	ISI-RPV-103	Acceptable

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B-D	N9 RPV Nozzle to Shell Weld	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-D	N9-IR RPV Nozzle Inner Radius	UT Inner Radius	Nuclear Boiler	ISI-RPV-103	Acceptable
B-F	N10-SE RPV Nozzle to Safe End Weld	PT	Nuclear Boiler	ISI-RPV-103	Acceptable Examined in accordance with BWRVIP-27-A.
B-F	N12B-SE RPV Nozzle to Safe End Weld	PT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-F	N6A-SE RPV Head Nozzle to Safe End Weld	UT, PT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-F	N6B-SE RPV Head Nozzle to Safe End Weld	UT, PT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-F	N7-SE RPV Head Nozzle to Safe End Weld	UT, PT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-F	N9-SE RPV Nozzle to Safe End Weld	UT, PT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	45-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	45-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	45-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable

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B-G-1	46-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	46-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	46-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	47-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	47-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	47-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	48-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	48-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	48-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	49-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	49-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable

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B-G-1	49-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	50-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	50-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	50-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	51-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	51-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	51-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	52-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	52-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	52-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	53-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable



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B-G-1	53-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	53-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	54-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	54-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	54-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	55-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	55-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	55-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	56-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	56-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	56-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable

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B-G-1	57-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	57-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	57-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	58-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	58-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	58-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	59-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	59-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	59-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	60-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	60-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable

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B-G-1	60-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	61-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	61-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	61-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	62-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	62-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	62-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	63-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	63-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	63-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	64-N RPV Nut	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable

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B-G-1	64-S RPV Stud	UT	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-1	64-W/B RPV Washer/Bushing	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-2	10-15B CRD Bolting	VT-1	CRD	ISI-RPV-104	Acceptable
B-G-2	10-35B CRD Bolting	VT-1	CRD	ISI-RPV-104	Acceptable
B-G-2	14-39B CRD Bolting	VT-1	CRD	ISI-RPV-104	Acceptable
B-G-2	30-15B CRD Bolting	VT-1	CRD	ISI-RPV-104	Acceptable
B-G-2	30-31B CRD Bolting	VT-1	CRD	ISI-RPV-104	Acceptable
B-G-2	30-39B CRD Bolting	VT-1	CRD	ISI-RPV-104	Acceptable
B-G-2	N7-B Flange Bolting	VT-1	Nuclear Boiler	ISI-RPV-103	Acceptable
B-G-2	V10-27A Valve Bolting	VT-1	Residual Heat Removal	ISI-RHR-PART 11 SH1	Acceptable
B-G-2	V10-88 Valve Bolting	VT-1	Residual Heat Removal	ISI-5920-6622 SH1	Acceptable

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<i>ASME Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System ID</i>	<i>Drawing No.</i>	<i>Examination Results</i>
B-G-2	V14-12A Valve Bolting	VT-1	Core Spray	ISI-5920-9211	Acceptable
B-G-2	V14-14A Valve Bolting	VT-1	Core Spray	ISI-5920-9211	Acceptable
B-G-2	V2-29A Valve Bolting	VT-1	Feedwater	ISI-FDW-PART 5	Acceptable
B-G-2	V2-53A Valve Bolting	VT-1	Nuclear Boiler	ISI-5920-6622 SH1	Acceptable
B-J Code Case N-560 Selection	MS7A-A7A Piping Weld	UT, MT	Main steam	ISI-RPV-105	Acceptable
B-J Code Case N-560 Selection	MS7B-B6 Piping Weld	UT, MT	Main steam	ISI-RPV-105	Acceptable
B-J Code Case N-560 Selection	MS7C-N3C-SW Piping Weld	UT, MT	Main steam	ISI-RPV-105	Acceptable
B-J Code Case N-560 Selection	MS7D-D8 Piping Weld	UT, MT	Main steam	ISI-RPV-105	Acceptable
B-J Code Case N-560 Selection	RH33-15 Piping Weld	UT, MT	Residual Heat Removal	ISI-5920-9283	Acceptable
B-J Code Case N-560 Selection	RH33-16 Piping Weld	UT, MT	Residual Heat Removal	ISI-5920-9283	Acceptable
B-J	SL11-F10 Piping Socket Weld	PT	Standby Liquid control	ISI-SLC-PART 4	Acceptable

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B-J	SL11-F11 Piping Socket Weld	PT	Standby Liquid control	ISI-SLC-PART 4	Acceptable
B-J	SL11-F4 Piping Socket Weld	PT	Standby Liquid control	ISI-SLC-PART 4	Acceptable
B-J	SL11-F5 Piping Socket Weld	PT	Standby Liquid control	ISI-SLC-PART 4	Acceptable
B-J	SL11-F6 Piping Socket Weld	PT	Standby Liquid control	ISI-SLC-PART 4	Acceptable
B-J	SL11-F7 Piping Socket Weld	PT	Standby Liquid control	ISI-SLC-PART 4	Acceptable
B-K	CS-2 Integral Attachment	PT	Core Spray	ISI-5920-9211	Acceptable
B-K	RPV SUPPORT SKIRT Support	PT	Nuclear Boiler	ISI-RPV-103	Acceptable
C-A	A-HTEX10-1 RHR Heat Exchanger Shell Weld	UT	Residual Heat Removal	ISI-RPV-104	Acceptable
C-B	A-N4 RHR Heat Exchanger Nozzle to Shell Weld	MT, VT-2	Residual Heat Removal	ISI-RPV-104	Acceptable See page 19 for conditions noted/corrective measures taken
C-C	CS-HD61A Integral Attachment	MT	Core Spray	ISI-5920-9211	Acceptable

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C-C	H-A-RHR-CC-3 Integral Attachment	MT	Residual Heat Removal	ISI-RPV-104	Acceptable
C-C	RHR-H187 Integral Attachment	PT	Residual Heat removal	ISI-RHR-PART 11 SH3	Acceptable
C-F-2	RH5A-S209 Piping Weld	UT, MT	Residual Heat Removal	ISI-RHR-PART 11 SH3	Acceptable
C-F-2	RH5B-S220 Piping Weld	UT, MT	Residual Heat Removal	ISI-5920-9288	Acceptable
C-F-2	RH6-S231 Piping Weld	UT, MT	Residual Heat Removal	ISI-RHR-PART 11 SH3	Acceptable
C-F-2	RH6-S233 Piping Weld	UT, MT	Residual Heat Removal	ISI-RHR-PART 11 SH3	Acceptable
C-F-2	RH7-S261 Piping Weld	UT, MT	Residual Heat Removal	ISI-5920-9288	Acceptable
D-A	H-E-8-1A Integral Attachment	VT-1	Reactor Bldg. Closed Cooling Water	ISI-RCW-PART 4 SH1	Acceptable
D-A	H-P-8-1A Integral Attachment	VT-1	Service Water	ISI-SW-PART 2 SH4	Acceptable
D-A	H-TK-7-1A Integral Attachment	VT-1	Reactor Bldg. Closed Cooling Water	ISI-RCW-PART 3 SH1	Acceptable
F-A	ACSP-HD203B Support	VT-3	Standby Gas Treatment	ISI-5920-9201	Acceptable

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F-A	CS-2 Support	VT-3	Core Spray	ISI-5920-9211	Acceptable
F-A	CU-2 Support	VT-3	Reactor Water Clean up	ISI-5920-6622 SH1	Acceptable
F-A	H-A-RHR-CC-1 Support	VT-3	Residual Heat Removal	ISI-RPV-104	Acceptable
F-A	H-A-RHR-CC-2 Support	VT-3	Residual Heat Removal	ISI-RPV-104	Acceptable
F-A	H-A-RHR-CC-3 Support	VT-3	Residual Heat Removal	ISI-RPV-104	Acceptable
F-A	H-A-RHR-CC-4 Support	VT-3	Residual Heat Removal	ISI-RPV-104	Acceptable
F-A	H-P-7-1A Support	VT-3	Service Water	ISI-SW-PART 3 SH2	Acceptable
F-A	H-P-8-1A Support	VT-3	Service Water	ISI-SW-PART 2 SH4	Acceptable See page 19 for conditions noted/corrective measures taken
F-A	H-S-3-1A Support	VT-3	Service Water	ISI-SW-PART 3 SH1	Acceptable See page 20 for conditions noted/corrective measures taken
F-A	RHR-H187 Support	VT-3	Residual Heat removal	ISI-RHR-PART 11 SH3	Acceptable



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Owner Certification: DPR-28  
Commercial Service date: 11/30/72

**Components Inspected/Abstract of examinations**  
**Sections 7 and 11**

<i>ASME Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System ID</i>	<i>Drawing No.</i>	<i>Examination Results</i>
F-A	RHR-HD200B Support	VT-3	Residual Heat Removal	ISI-RHR-PART 11 SH2	Acceptable
F-A	RPV SUPPORT SKIRT Support	VT-3	Nuclear Boiler	ISI-RPV-103	Acceptable
F-A	RSW-H165 Support	VT-3	RHR Service Water	ISI-SW-PART 1 SH2	Acceptable
F-A	RSW-H166 Support	VT-3	RHR Service Water	ISI-SW-PART 1 SH2	Acceptable
F-A	RSW-H169 Support	VT-3	RHR Service Water	ISI-SW-PART 6 SH2	Acceptable
F-A	RSW-H170 Support	VT-3	RHR Service Water	ISI-SW-PART 9	Acceptable
F-A	RSW-H177 Support	VT-3	RHR Service Water	ISI-SW-PART 6 SH2	Acceptable
F-A	RSW-H179 Support	VT-3	RHR Service Water	ISI-SW-PART 9	Acceptable
F-A	RSW-H180 Support	VT-3	RHR Service Water	ISI-SW-PART 6	Acceptable
F-A	RSW-H216 Support	VT-3	RHR Service Water	ISI-SW-PART 2 SH3	Acceptable
F-A	RSW-H220 Support	VT-3	RHR Service Water	ISI-SW-PART 2 SH4	Acceptable

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**  
**As Required by the Provisions of the ASME Code Rules**

**Entergy Northeast Vermont Yankee**  
**Owner Certification: DPR-28**  
**Commercial Service date: 11/30/72**

**Components Inspected/Abstract of examinations**  
**Sections 7 and 11**

<i>ASME Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System ID</i>	<i>Drawing No.</i>	<i>Examination Results</i>
F-A	RSW-H220 Support	VT-3	RHR Service Water	ISI-SW-PART 2 SH4	Acceptable
F-A	RSW-H221 Support	VT-3	RHR Service Water	ISI-SW-PART 2 SH4	Acceptable
F-A	RSW-H226A Support	VT-3	RHR Service Water	ISI-SW-PART 3 SH4	Acceptable See page 19 for conditions noted/corrective measures taken
F-A	RSW-H226B Support	VT-3	RHR Service Water	ISI-SW-PART 3 SH4	Acceptable
F-A	RSW-H232 Support	VT-3	RHR Service Water	ISI-SW-PART 10 SH5	Acceptable
F-A	RSW-H233 Support	VT-3	RHR Service Water	ISI-SW-PART 10 SH5	Acceptable See page 19 for conditions noted/corrective measures taken
F-A	RSW-HD216B Support	VT-3	RHR Service Water	ISI-SW-PART 2 SH3	Acceptable
F-A	RSW-HD225A Support	VT-3	RHR Service Water	ISI-SW-PART 4 SH3	Acceptable
F-A	RSW-HD88C Support	VT-3	RHR Service Water	ISI-SW-PART 2 SH1	Acceptable
F-A	SLC-H47 Support	VT-3	Standby Liquid Control	ISI-SLC-PART 4	Acceptable

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**  
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Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service date: 11/30/72

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**Components Inspected/Abstract of examinations**  
Sections 7 and 11

<i>ASME Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System ID</i>	<i>Drawing No.</i>	<i>Examination Results</i>
F-AUG	CS-HD61A Support	VT-3	Core Spray	ISI-5920-9211	Acceptable
F-AUG	CS-HD61B Support	VT-3	Core Spray	ISI-5920-9211	Acceptable See page 20 for conditions noted/corrective measures taken
F-AUG	CS-HD61C Support	VT-3	Core Spray	ISI-5920-9211	Acceptable
Augmented Seismic Support Program	ASCSP-H201A Support	VT-3	Standby Gas Treatment	ISI-AC-PART 5	Acceptable
Augmented Seismic Support Program	MSD-HD7 Support	VT-3	Main Steam	VYI-MSD-PART 2B	Acceptable

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**  
As Required by the Provisions of the ASME Code rules

Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service Date: 11/30/72

Components Inspected/Abstract of examinations  
Sections 7 and 11

<i>Code Category</i>	<i>Quantity Inspected 2002 Outage</i>	<i>Quantity Previously Inspected, Third Interval</i>	<i>Quantity Scheduled, Third Interval</i>	<i>Percent of Third Interval Complete</i>
B-A	1	15	16	100%
B-D	10	48	58	100%
B-F	6	29	35	100%
B-G-1	60	168	228	100%
B-G-2	13	77	90	100%
B-J Code Case N-560 selection.	6	9 Code Case N-560 was first used for selection during RFO-22.	15	100%
B-J These are ASME Category B-J, Item B9.40 socket welds which are not included in the Code Case N-560 selection.	6	16	22	100%
B-K	2	8	10	100%
B-L-2	0	0	Per approved Relief Request No. B-1	N/A

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**  
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**Entergy Northeast Vermont Yankee**  
**Owner Certification: DPR-28**  
**Commercial Service Date: 11/30/72**

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**Components Inspected/Abstract of examinations**  
**Sections 7 and 11**

<i>Code Category</i>	<i>Quantity Inspected 2002 Outage</i>	<i>Quantity Previously Inspected, Third Interval</i>	<i>Quantity Scheduled, Third Interval</i>	<i>Percent of Third Interval Complete</i>
B-M-2	0	26	Per approved Relief Request No. B-2	N/A
B-N-1	0	2	Each Period	100%
B-N-2	0	Partial	1	100%
B-O	0	7	7	100%
C-A	1	3	4	100%
C-B	1	3	4	100%
C-C	3	17	20	100%
C-F-2	5	67	72	100%
D-A	3	8	11	100%
F-A	31	88	119	100%

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**  
**As Required by the Provisions of the ASME Code rules**

**Entergy Northeast Vermont Yankee**  
**Owner Certification: DPR-28**  
**Commercial Service Date: 11/30/72**

**ABSTRACT OF CONDITIONS NOTED/CORRECTIVE MEASURES TAKEN**  
Sections 12 and 13

<i>Code Category</i>	<i>Item Identification</i>	<i>Conditions Noted and Corrective Measures Taken</i>
C-B	A-N4	Surface examination of RHR Heat Exchanger E-14-1A nozzle to shell weld A-N4 revealed two rejectable indications. Inservice Discrepancy report # 02-06 was generated to request engineering evaluation. Mechanical Design Engineering dispositioned the IDR as follows: The weld in the as found condition can perform its design function. The indications were welding/construction related. Remove the indications per memo VYM 182/88. Work Order 01-004584-097 was generated to mechanically remove the indications. Ultrasonic thickness readings were taken prior to, during and after removal. The indications were removed with minimal material loss and an acceptable surface examination was documented.
F-A	RSW-H-233	VT-3 visual examination of restraint RSW-H-233 revealed a loose bolt (the nut was tight) on the hanger clamp. Inservice Discrepancy report # 02-01 was generated to request engineering evaluation. Mechanical Design Engineering dispositioned the IDR as follows: The identified loose bolt does not compromise the structural integrity of the clamp/support configuration. The fact that the nut is tight ensures that the bolt will not fall out. The second bolt is actually the load carrying component with no identified anomalies. No further action is required/use-as-is.
F-A	RSW-226A	VT-3 visual examination of restraint RSW-226A revealed a cotter pin not sufficiently bent. Inservice Discrepancy report # 02-02 was generated to request engineering evaluation. Mechanical Design Engineering dispositioned the IDR as follows: Support function is not degraded by identified condition. Initiate work order to bend pin to desired configuration." The work was performed as part of the Fix It Now team effort and an acceptable VT-3 was performed to document the work having been performed.
F-A	H-P-8-1A	VT-1 visual examination of RHR Service Water Pump H-P-8-1A integral attachment weld revealed numerous areas of under fill and undercut. Inservice Discrepancy report # 02-01 was generated to request engineering evaluation. Mechanical Design Engineering dispositioned the condition via Technical Evaluation 2002-042 as follows: A conservative minimum size for the pump barrel weld is a 3/16" fillet weld. Actual field inspection demonstrates that the as found weld configuration/size exceeds the minimum required. The existing weld is therefore demonstrated as capable of transferring/resisting the applied design loading and no further action is required – use-as-is

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**  
**As Required by the Provisions of the ASME Code rules**

Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service Date: 11/30/72

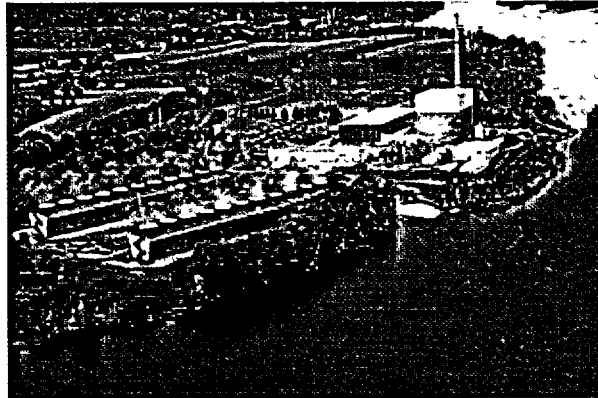
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**ABSTRACT OF CONDITIONS NOTED/CORRECTIVE MEASURES TAKEN**  
Sections 12 and 13

<i>Code Category</i>	<i>Item Identification</i>	<i>Conditions Noted and Corrective Measures Taken</i>
F-A	H-S-3-1A	VT-3 visual examination of Service Water Strainer support H-S-3-1A revealed lack of proper thread engagement on 3 of the 4 base plate anchors. Inservice Discrepancy report # 02-04 was generated to request engineering evaluation. Mechanical Design Engineering dispositioned the IDR as follows: This issue was identified and addressed as "Accept As Is" previously under work orders 99-001981-000 & 99-002650-000. No action required.
F-AUG	CS-HD61B	VT-3 visual examination of spring hanger CS-HD61B revealed spring can settings outside the acceptable range ( $\pm 5\%$ ). Inservice Discrepancy report # 02-05 was generated to request engineering evaluation of this condition. Mechanical Design Engineering dispositioned the IDR as follows: All values are within the working range of the spring, therefore the support can perform its design function. The springs are to be reset to the values shown on drawing 5920-6401 sheet 1. The adjacent gravity hangers CS-HD61C & CS-HD61A shall be inspected when resetting the springs to ensure that no abnormal pipe movement is observed and that they still function as designed. Work Order 01-004584-096 was generated to reset the spring cans to the required setting. An acceptable VT-3 examination was performed after the resetting of the springs.



## Entergy Northeast Vermont Yankee



### 2002 Form NIS-2 Owner's Summary Report For Repairs or Replacements

May 21, 2001 through October 25, 2002

Reviewed by: \_\_\_\_\_

A handwritten signature in black ink, likely belonging to the Inservice Inspection Coordinator.

Inservice Inspection Coordinator

Date: 12-16-02

Approved by: \_\_\_\_\_

A handwritten signature in black ink, likely belonging to the System Engineering Manager.

System Engineering Manager

Date: 12-16-02



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As required by the Provisions of the ASME Code Section XI**

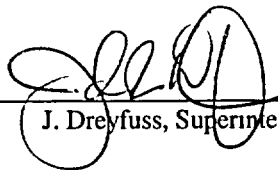
1. Owner Entergy Northeast Vermont Yankee Date 12-16-'02  
Name
- 185 Old Ferry Road, Brattleboro VT 05352 Sheet 1 of 9  
Address
2. Plant Entergy Northeast Vermont Yankee Unit 1  
Name
- P.O. Box 157, Governor Hunt Road, Vernon, VT 05354 N/A  
Address Repair Organization P.O. No, Job No, etc.
3. Work Performed by Entergy Northeast Vermont Yankee Type Code Symbol Stamp N/A  
Name
- 185 Old Ferry Road, Brattleboro VT 05352 Authorization No. N/A  
Address
- Expiration Date N/A
4. Identification of System See attached table, pages 3 through 9
5. (a) Applicable Construction Code B 31.1 1967 Edition, No Addenda, No Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 Edition No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components See attached table, pages 3 through 9
7. Description of Work See attached table, pages 3 through 9
8. Tests Conducted See attached table, pages 3 through 9
9. Remarks See attached table, pages 3 through 9

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and these repairs/replacements conform to the rules of ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

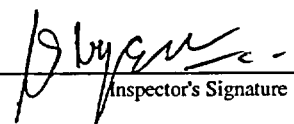
Certificate of Authorization Number \_\_\_\_\_ N/A \_\_\_\_\_ Expiration Date \_\_\_\_\_ N/A \_\_\_\_\_

Signed  Date 12-19, 20 02  
J. Dreyfuss, Superintendent, System Engineering

**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 Vermont and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period May 21, 2001 to October 25, 2002 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions VT-350  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 12-19-2002

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME, Section XI, 1986 Edition, No Addenda**

**Entergy Northeast Vermont Yankee**  
**Owner Certification: DPR-28**  
**Commercial Service date: 11/30/72**

**Construction code: B31.1, 1967 Edition, No Addenda, No code Case**

<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
CRD-10-15	CRD	General Electric	N/A	N/A	WO 01-005194-006	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-10-23	CRD	General Electric	N/A	N/A	WO 01-005194-008	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-10-35	CRD	General Electric	N/A	N/A	WO 01-005194-002	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-14-39	CRD	General Electric	N/A	N/A	WO 01-005194-005	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-18-19	CRD	General Electric	N/A	N/A	WO 01-005194-007	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-30-15	CRD	General Electric	N/A	N/A	WO 01-005194-003	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-30-31	CRD	General Electric	N/A	N/A	WO 01-005194-001	1972	Replaced	N/A	Replaced CRD	System Leakage
CRD-30-39	CRD	General Electric	N/A	N/A	WO 01-005194-004	1972	Replaced	N/A	Replaced CRD	System Leakage
TCV-24-3A	DG	Amot	N/A	N/A	WO 01-002335-000	1972	Replaced	N/A	Replaced Valve	System Leakage
TCV-24-3B	DG	Amot	N/A	N/A	WO 01-005807-000	1972	Repaired	N/A	Refurbished valve	Inservice Leak

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
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Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service date: 11/30/72

Construction code: B31.1, 1967 Edition, No Addenda, No code Case

<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
TK-3-125-26-19	HCU	Liquidonics	N/A	N/A	WO 02-002285-000	1972	Repaired	N/A	Replaced Accum. tank	System Functional
HPCI-HD103GN	HPCI	Bergen Patterson	ADH-301-1598	N/A	WO 01-005321-000	1972	Replaced	N/A	Replaced Snubber	N/A- repaired structural members only
SR-23-34	HPCI	Crosby	N86476-00- 0001	N/A	WO 01-004330-000	1972	Replaced	N/A	Replaced Safety Valve	System Leakage
SR-23-66	HPCI	Crosby	N81993-00- 0001	N/A	WO 01-004338-000	1972	Replaced	N/A	Replaced Safety Valve	System Leakage
V23-14	HPCI	Walworth	N/A	N/A	WO 01-006272-001	1972	Repair	N/A	Replaced Stem	System Leakage
V23-3	HPCI	Enertech	N/A	N/A	MM 2001-051	1972	Replaced	N/A	Replaced valve	System Leakage
V23-4	HPCI	Enertech	N/A	N/A	MM 2001-051	1972	Replaced	N/A	Replaced valve	System Leakage
RRU-8	HVAC	H. K. Porter	M-24442	N/A	MM 2002-001	1972	Repaired	N/A	Replaced cooling coil	System Leakage in accordance with Code Case N-416-1

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
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Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service date: 11/30/72

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<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
MS-3	MS	ITT Grinell	32194	N/A	WO 01-005241-000	1972	Replaced	N/A	Replaced Snubber	N/A- repaired structural members only
RR-2	NB	Lynair	32197	N/A	WO 01-005181-000	1972	Replaced	N/A	Replaced Snubber	N/A- repaired structural members only
RV-2-71A	NB	Target Rock	205	N/A	WO 01-005199-000	1972	Replaced	N/A	Replaced Relief Valve	System Leakage
RV-2-71B	NB	Target Rock	67-HH-11	N/A	WO 01-005202-000	1972	Replaced	N/A	Replaced Valve	System Leakage
RV-2-71C	NB	Target Rock	67-HH-12	N/A	WO 01-005204-000	1972	Replaced	N/A	Replaced Valve	System Leakage
RV-2-71D	NB	Target Rock	204	N/A	WO 01-005206-000	1972	Replaced	N/A	Replaced Relief Valve	System Leakage
SV-2-70B	NB	Dresser	BL1137	N/A	WO 01-005472-000	1972	Replaced	N/A	Replaced Relief Valve	System Leakage
V2-80B	NB	Rockwell	119	N/A	WO 02-004406-003	1972	Repaired	N/A	Repaired Linear Ind.	System Leakage
V2-86B	NB	Rockwell	N/A	N/A	WO 02-004468-000	1972	Repair	N/A	Repaired (3) Linear Ind.	System Leakage

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
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**Entergy Northeast Vermont Yankee**  
**Owner Certification: DPR-28**  
**Commercial Service date: 11/30/72**

**Construction code: B31.1, 1967 Edition, No Addenda, No code Case**

<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
DRYWELL- HEAD	PCAC	CBI	N/A	N/A	WO-02-002156-000	1972	Replaced	N/A	Replaced 4 Bolt Assy.	PCLRT
V16-19-12A	PCAC	Walworth	N/A	N/A	WO 01-003067-000	1972	Repaired	N/A	Replaced Valve Seat	PCLRT
V16-19-12B	PCAC	Walworth	N/A	N/A	WO 01-003068-000	1972	Repaired	N/A	Replaced Valve Seat	PCLRT
V70-71D	RB	Velan	N/A	N/A	WO 99-011105-000	1972	Replaced	N/A	Replaced Valve	System Leakage
P-18-1B	RBCCW	Byron Jackson	671-S-1109	N/A	MM 2002-023	1972	Replaced	N/A	Replaced RBCCW piping	System Leakage
V13-6	RCIC	Enertech	Model DRV-2	N/A	VYDC 2001-003 WO 01-004558-000	1972	Replaced	N/A	Replaced valve	System Leakage
V13-7	RCIC	Enertech	Model DRV-2	N/A	VYDC 2001-003	1972	Replaced	N/A	Replaced valve	System Leakage
RV-20-94A	RDW	Consolidated Dresser	N/A	N/A	WO 01-004328-000	1972	Replaced	N/A	Replaced Valve	System Leakage
CS-HD54A	RHR	Miller Electric	26352	N/A	WO 01-005038-000	1972	Replaced	N/A	Replaced Snubber	System Leakage
P-8-1B	RHR SW	Byron Jackson	691-N-0364	N/A	WO 02-001883-000	1972	Replaced	N/A	Replaced Pump	System Leakage

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<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
RHR-H197B	RHR	Miller Electric	32195	N/A	WO 01-005177-000	1972	Replaced	N/A	Replaced Snubber	N/A- repaired structural members only
RHR-HD127M	RHR	Miller Electric	32196	N/A	WO 01-005178-000	1972	Replaced	N/A	Replaced Snubber	N/A- repaired structural members only
SR-10-86B	RHR	Dresser	TL33016	N/A	WO 01-001904-000	1972	Replaced	N/A	Replaced Valve	System Leakage
V10-89B	RHR SW	CCI	N/A	N/A	WO 00-001858-000	1972	Repaired	N/A	Replaced Valve Trim	System Leakage
P-8-1B	RHRSW	Byron Jackson	691-N-0364	N/A	MM2002-022	1972	Replaced	N/A	Replaced motor bearing cooling line	System Leakage in accordance with Code Case N-416-1
P-8-1D	RHRSW	Byron Jackson	691-N-0366	N/A	MM 2002-043	1972	Repaired	N/A	Repaired Pump Casing	System Leakage
SR-11-39A	SLC	Crosby	L-2761	N/A	WO 01-005382-000	1972	Replaced	N/A	Replaced Relief Valve	System Leakage
SR-11-39B	SLC	Crosby	L-2939	N/A	WO 01-005383-000	1972	Replaced	N/A	Replaced Relief Valve	System Leakage

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Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service date: 11/30/72

Construction code: B31.1, 1967 Edition, No Addenda, No code Case

<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
3"SW-37A	SW	N/A	N/A	N/A	WO 02-002006-000	1972	Replaced	N/A	Replaced Piping	System Leakage
3"SW-37B	SW	N/A	N/A	N/A	WO 01-002894-000	1972	Replaced	N/A	Replaced Piping	System Leakage
8"SW-18A	SW	N/A	N/A	N/A	MM 2002-027	1972	Replaced	N/A	Modified water supply line	System Leakage in accordance with Code Case N-416-1
P-7-1C	SW	Byron Jackson	691-N-0359	N/A	WO-01-003123-000	1972	Replaced	N/A	Replaced Pump	System Leakage
SP-70-3B	SW	Anchor Darling	949070A-1	N/A	WO 02-003461-000	1972	Replaced	N/A	Replaced Pipe Nipple	System Leakage
V13-131	SW	Walworth	5301BSB-WE	N/A	WO 01-002984-000	1972	Repaired	N/A	Replaced valve disc and stem; lapped seat	System Leakage
V70-101	SW	Velan	N/A	N/A	WO 95-005089-000	1972	Replaced	N/A	Replaced Valve	System Leakage in accordance with Code Case N-416-1
V70-315A	SW	Jenkins	N/A	N/A	WO 01-006408-000	1972	Replaced	N/A	Replaced Valve	System Leakage



**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME, Section XI, 1986 Edition, No Addenda**

Entergy Northeast Vermont Yankee  
Owner Certification: DPR-28  
Commercial Service date: 11/30/72

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Construction code: B31.1, 1967 Edition, No Addenda, No code Case

<i>Component Equipment Number</i>	<i>System</i>	<i>Manufacturer</i>	<i>Manufacturer Serial Number</i>	<i>National Board Number</i>	<i>Other Identification Work Order No., Minor Modification, Design Change etc.</i>	<i>Year Built</i>	<i>Repair, Replaced, Replacement</i>	<i>ASME Code Stamped</i>	<i>Description of Work</i>	<i>Test Conducted</i>
V70-317A	SW	Jenkins	N/A	N/A	WO 01-006410-000	1972	Replaced	N/A	Replaced Valve	System Leakage
V70-319A	SW	Jenkins	N/A	N/A	WO 01-006475-000	1972	Replaced	N/A	Replaced Valve	System Leakage
V70-7A	SW	Crane	N/A	N/A	WO 00-003806-000	1972	Replaced	N/A	Replaced Valve	System Leakage
V70-7D	SW	Crane	N/A	N/A	WO 01-003834-000	1972	Replaced	N/A	Replaced Valve	System Leakage