

Vermont Yankee Nuclear Power Corporation

**1996 Form NIS-1 Owner's Summary Report
for
Inservice Inspections**

May 3, 1995 through November 2, 1996

Prepared by: *Shirley P. Long*

Reviewed by: *Dennis C. Givon*
Plant Inservice Inspection Coordinator

Approved by: *P.B. Gault*
Project Engineering Manager

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

1. Owner Vermont Yankee Nuclear Power Corporation, R.D. 5, Box 169, Ferry Road, Brattleboro VT 05351
(Name and Address of Owner)
2. Plant Vermont Yankee Nuclear Power Station, 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 18
8. Examination Dates 5/3/95 to 11/2/96 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 27 Jan 19 97 Signed E. V. Lindamood
E. V. Lindamood, Director of Engineering

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 Arkwright Mutual Insurance Company of Waltham, Massachusetts, have inspected the components described in this Owner's Report during the period May 3, 1995 to November 2, 1996 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.

[Signature] Commissions VT-350
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 27, 1997

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Vermont Yankee Nuclear Power Corporation
Vermont Yankee Nuclear Power Station
Owner Certification: DPR-28
Commercial Service Date: 11/30/72

Components Inspected/Abstract of examinations
Sections 7 and 11

<i>Code Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System</i>	<i>Drawing No.</i>	<i>Examination Results</i>
B-A	AB	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	B1	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	CD	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	D-1	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	D-2	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	DE	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	E-1	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	E-2	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	EF	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	F-1	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	F-2	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	FG	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	G-1	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	G-2	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-A	GH	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted

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B-D	N3A	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3B	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3C	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3D	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3A-IR	UT, Inner Radius	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3B-IR	UT, Inner Radius	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3C-IR	UT, Inner Radius	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N3D-IR	UT, Inner Radius	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N4A-IR	Nozzle bore UT (NUREG-0619)	Reactor Pressure Vessel	ISI-RPV-103	Accepted - NUREG-0619
B-D	N4B-IR	Nozzle bore UT (NUREG-0619)	Reactor Pressure Vessel	ISI-RPV-103	Accepted - NUREG-0619
B-D	N4C-IR	Nozzle bore UT (NUREG-0619)	Reactor Pressure Vessel	ISI-RPV-103	Accepted - NUREG-0619

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B-D	N4D-IR	Nozzle bore UT (NUREG-0619)	Reactor Pressure Vessel	ISI-RPV-103	Accepted - NUREG-0619
B-D	N5A	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-D	N5A-IR	UT, Inner Radius	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-F	CS4B-MF6A	PT, UT	Core Spray	ISI-5920-9206	Accepted
B-F	SL11-F31	PT	Standby Liquid Control	ISI-SLC-Part 4	Accepted
B-G-1	Reactor Pressure Vessel Nuts Nos. 1 through 44	VT-1	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Washer sets, Nos. 1 through 44	VT-1	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Bushing No. 15	VT-1 with RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Bushing No. 16	VT-1 with RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Bushing No. 17	VT-1 with RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted

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B-G-1	Reactor Pressure Vessel Bushings No. 18	VT-1 with RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Studs Nos. 1 through 44	UT	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	RPV Stud No. 15	MT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	RPV Stud No. 16	MT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	RPV Stud No. 17	MT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	RPV Stud No. 18	MT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Threads in Flange @ stud location No. 15	UT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted

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B-G-1	Reactor Pressure Vessel Threads in Flange @ stud location No. 16	UT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Threads in Flange @ stud location No. 17	UT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-1	Reactor Pressure Vessel Threads in Flange @ stud location No. 18	UT RPV stud removed	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-G-2	V14-13B	VT-1	Core Spray	ISI-5920-9206	Accepted
B-G-2	V23-16	VT-1	High Pressure Coolant Injection	ISI-HPCI Part 2	Accepted
B-G-2	V2-80A	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	V2-80B	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	V2-80C	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	v2-86D	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	SV2-70A	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	SV2-70B	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	RV2-71A	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted

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B-G-2	RV2-71B	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	RV2-71C	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	RV2-71D	VT-1	Nuclear Boiler	ISI-RPV-105	Accepted
B-G-2	V10-25A	VT-1	Residual Heat Removal		Accepted
B-J	CS4B-MF5B	PT, UT	Core Spray	ISI-5920-9206	Accepted
B-J	CS4B-F3ADW	PT, UT	Core Spray	ISI-5920-9206	Accepted
B-J	CS4B-F1A	PT, UT	Core Spray	ISI-5920-9206	Accepted
B-J	CS4B-MF5	PT, UT	Core Spray	ISI-5920-9206	Accepted
B-J	MS5A-F1	MT (3" dia.)	Main Steam	ISI-RPV-105	Accepted
B-J	MS5A-F1A	MT (3" dia.)	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-N3A-SW	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-N3B-SW	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-N3C-SW	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-N3D-SW	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-A7A	MT, UT	Main Steam	ISI-RPV-105	Accepted

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B-J	MS7A-A7B	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-A7C	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-A7D	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7A-A8	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7B-B5B	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7B-B7A	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7B-B7B	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7B-B7C	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7B-B8	MT, UT	Main Steam	ISI-RPV-105	Accepted
B-J	MS7C-C8	MT, UT	Main Steam	ISI-RPV-105	Accepted - Geometry
B-J	MS7D-D8	MT, UT	Main Steam	ISI-RPV-105	Accepted - Geometry
B-J	RR-WA-28	PT, UT	Recirculation	ISI-5920-6622	Accepted
B-J	RR-WA-110	PT (2" dia.)	Recirculation	ISI-5920-6622	Accepted
B-J	CU19-F2	PT (2" dia.)	Reactor Water Cleanup	ISI-5920-6622	Accepted
B-J	CU19-F4	PT (2" dia.)	Reactor Water Cleanup	ISI-5920-6622	Accepted

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B-J	CU19-F5	PT (2" dia.)	Reactor Water Cleanup	ISI-5920-6622	Accepted
B-J	CU19-FW1	PT (2" dia.)	Reactor Water Cleanup	ISI-5920-6622	Accepted
B-J	CU19-FW2	PT (2" dia.)	Reactor Water Cleanup	ISI-5920-6622	Accepted
B-J	CU19-FW3	PT (2" dia.)	Reactor Water Cleanup	ISI-5920-6622	Accepted
B-J	N11B-SE	PT (3" dia.)	Reactor Pressure Vessel	ISI-RPV-103	Accepted
B-J	SL11-F9E	PT (1.5" dia.)	Standby Liquid Control	ISI-SLC-Part 4	Accepted
B-J	SL11-F9F	PT (1.5" dia.)	Standby Liquid Control	ISI-SLC-Part 4	Accepted
B-K	RR-65, 66	PT	Reactor Recirculation	ISI-5920-6802	Accepted
B-K	RR-89, 90	PT	Reactor Recirculation	ISI-5920-6802	Accepted
B-K	90 Deg. RPV Bracket	PT	Reactor Pressure Vessel	ISI-RPV-103	Accepted - Acceptable indication recorded
B-M-2	V14-13B	VT-3	Core Spray	ISI-5920-9206	Accepted
B-M-2	V23-16	VT-3	High Pressure Coolant Injection	ISI-HPCI Part 2	Accepted
B-M-2	V2-80A	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	V2-80B	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	V2-80C	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted

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B-M-2	V2-86D	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	SV2-70A	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	SV2-70B	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	RV2-71A	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	RV2-71B	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	RV2-71C	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	RV2-71D	VT-3	Nuclear Boiler	ISI-RPV-105	Accepted
B-M-2	V10-25A	VT-3	Residual Heat Removal		Accepted
B-N-1	RPV Interior	VT-3	RPV	ISI-RPV-103	Accepted
B-N-2	RPV ID Beltline Attachments	VT-1	RPV	ISI-RPV-103	Accepted
B-N-2	RPV ID Non-beltline Attachments	VT-3	RPV	ISI-RPV-103	Accepted
B-N-2	RPV Core Support Structure	VT-3	RPV	ISI-RPV-103	Accepted
B-N-2	Core Shroud Repair Hardware	VT-3	Reactor Pressure Vessel	ISI-RPV-103	Accepted

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B-O	26-03HF	UT	Control Rod Drive	ISI-RPV-104	Accepted
B-O	34-39HF	UT	Control Rod Drive	ISI-RPV-104	Accepted
C-B	A-N3	MT	Residual Heat Removal	ISI-RPV-104	Accepted
C-C	A-RHR-CC-1	MT	Residual Heat Removal	ISI-RPV-104	Accepted
C-C	A-RHR-CC-2	MT	Residual Heat Removal	ISI-RPV-104	Accepted
C-C	A-RHR-CC-4	MT	Residual Heat Removal	ISI-RPV-104	Accepted
C-C	H-204	MT	Atmospheric Control	ISI-5920-9200	Accepted
C-C	HD-89	PT	Core Spray	ISI-5920-9211	Accepted - Examined as part of sample expansion for HD-25 reject
C-C	HD-25	PT	Residual Heat Removal	ISI-RHR-Part 16	Accepted - corrective action taken. See sections 12 and 13
C-C	HD-8	MT	Residual Heat Removal	ISI-RHR-Part 16	Accepted - Examined as part of sample expansion for HD-25 reject
C-C	HD-127E	MT	Residual Heat Removal	ISI-5920-9285	Accepted
C-C	H-197A & B	MT	Residual Heat Removal	ISI-RHR Part 11	Accepted

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C-F-2	SG15-S92	MT, UT	Atmospheric Control	ISI-5920-9201	Accepted - geometry
C-F-2	CT4-S25	MT, UT	Condensate Storage Transfer	ISI-5920-9209	Accepted - Geomet
C-F-2	CS1A-S15	MT, UT	Core Spray	ISI-5920-9209	Accepted - Geometry
C-F-2	CS3B-S113	MT, UT	Core Spray	ISI-5920-9206	Accepted - Geometry
C-F-2	FW16-S1	MT, UT	Feedwater	ISI-FDW-Part 5	Accepted - Geometry - PSI exam
C-F-2	FW16-S1A	MT, UT	Feedwater	ISI-FDW-Part 5	Accepted - Geometry - PSI exam
C-F-2	FW17-S5	MT, UT	Feedwater	ISI-FDW-Part 5	Accepted - Geometry - PSI exam
C-F-2	FW17-S5A	MT, UT	Feedwater	ISI-FDW-Part 5	Accepted - Geometry - PSI exam - corrective action taken. See sections 12 and 13
C-F-2	RH1A-S28	MT, UT	Residual Heat Removal	ISI-5920-9284	Accepted
C-F-2	RH1C-S31	MT, UT	Residual Heat Removal	ISI-5920-9284	Accepted
C-F-2	RH2A-S70	MT, UT	Residual Heat Removal	ISI-5920-9284	Accepted - Geometry
C-F-2	RH2C-S91	MT, UT	Residual Heat Removal	ISI-5920-9284	Accepted - Geometry

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C-F-2	RH2C-S93	MT, UT	Residual Heat Removal	ISI-5920-9284	Accepted
C-F	RH3A-S137	MT, UT	Residual Heat Removal	ISI-RHR-Part 11	Accepted - Geometry
C-F-2	RH3C-S147	MT, UT	Residual Heat Removal	ISI-RHR-Part 11	Accepted
D-A	RSW-H164	VT-1	Service Water	ISI-SW-Part 1	Accepted
D-A	RSW-H217	VT-1	Service Water	ISI-SW-Part 2	Accepted
C-F, augmented	RH21-T382A	MT, UT	Residual Heat Removal	ISI-5920-9207	Accepted
C-F, augmented	RH23-S343	MT, UT	Residual Heat Removal	ISI-5920-9212	Accepted
C-F, augmented	RH39-S427	MT, UT	Residual Heat Removal	ISI-5920-9305	Accepted
C-F, augmented	RH39-S428	MT, UT	Residual Heat Removal	ISI-5920-9305	Accepted - Geometry
C-F, augmented	RH39-S429	MT, UT	Residual Heat Removal	ISI-5920-9305	Accepted
C-F, augmented	RH39-S430	MT, UT	Residual Heat Removal	ISI-5920-9305	Accepted - Geometry
C-F, augmented	RH39-S431	MT, UT	Residual Heat Removal	ISI-5920-9305	Accepted - Geometry
C-F, augmented	RH39-S432	MT, UT	Residual Heat Removal	ISI-5920-9305	Accepted - Geometry
Class 2, augmented	MS1C-F9	MT, UT	Main Steam	G-191156	Accepted - Geometry
Class 2, augmented	MS2C-F1	MT, UT	Main Steam	G-191156	Accepted - Geometry

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Class 3 augmented, NUREG-0313	54-09	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-10	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-19	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-20	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-21	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-22	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-23	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-23A	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted - Geometry
Class 3 augmented, NUREG-0313	54-32	PT,UT	Reactor Water Cleanup	WM-70105-300	Accepted
F-A	H-204	VT-3	Atmospheric Control	ISI-5920-9200	Accepted

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

Vermont Yankee Nuclear Power Corporation
Vermont Yankee Nuclear Power Station
Owner Certification: DPR-28
Commercial Service Date: 11/30/72

Components Inspected/Abstract of examinations
Sections 7 and 11

<i>Code Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System</i>	<i>Drawing No.</i>	<i>Examination Results</i>
F-A	HD-57D	VT-3	Core Spray	ISI-5920-9209	Accepted
F-A	P-46-1A	VT-3	Core Spray	ISI-5920-9211	Accepted
F-A	HD-127E	VT-3	Residual Heat Removal	ISI-5920-9285	Accepted - Corrective action taken. See sections 12 and 13.
F-A	HD-127D	VT-3	Residual Heat Removal	ISI-5920-9285	Accepted -Examined as part of expansion sample for HD-127E reject
F-A	HD-127F	VT-3	Residual Heat Removal	ISI-5920-9285	Accepted -Examined as part of expansion sample for HD-127E reject
F-A	HD-127I	VT-3	Residual Heat Removal	ISI-5920-9285	Accepted -Examined as part of expansion sample for HD-127E reject
F-A	P-10-1A	VT-3	Residual Heat Removal	ISI-RHR Part 11	Accepted
F-A	FW-15	VT-3	Feedwater	ISI-FDW-Part 5A	Accepted
F-A	FW-16	VT-3	Feedwater	ISI-FDW-Part 5A	Accepted
F-A	FW-20	VT-3	Feedwater	ISI-FDW-Part 5A	Accepted
F-A	HPCI-1	VT-3	High Pressure Coolant Injection	ISI-HPCI-Part 2	Accepted

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Vermont Yankee Nuclear Power Corporation
Vermont Yankee Nuclear Power Station
Owner Certification: DPR-28
Commercial Service Date: 11/30/72

Components Inspected/Abstract of examinations
Sections 7 and 11

<i>Code Category</i>	<i>Component ID</i>	<i>Exam Type</i>	<i>System</i>	<i>Drawing No.</i>	<i>Examination Results</i>
F-A	HPCI-2	VT-3	High Pressure Coolant Injection	ISI-HPCI-Part 2	Accepted
F-A	HD-42	VT-3	Core Spray	ISI-5920-9206	Accepted - Examined due to removal for collateral work - PSI exam
F-A	HD-130B	VT-3	Residual Heat Removal	ISI-RHR-Part 11	Accepted - Examined due to removal for collateral work - PSI exam
F-Augmented - Class 2 thin wall	HD-18R	VT-3	Residual Heat Removal	ISI-5920-9305	Accepted - Examined due to removal for collateral work - PSI exam
F-Augmented - Class 2 thin wall	HD-3	VT-3	Residual Heat Removal	ISI-RHR-Part 16	Accepted
F-Augmented - Class 2 thin wall	HD-4	VT-3	Residual Heat Removal	ISI-RHR-Part 16	Accepted
F-Augmented - Class 2 thin wall	HD-18	VT-3	Residual Heat Removal	ISI-5920-9305	Accepted
F-Augmented - Class 2 thin wall	HD-18A	VT-3	Residual Heat Removal	ISI-5920-9305	Accepted

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code rules

Vermont Yankee Nuclear Power Corporation

Vermont Yankee Nuclear Power Station

Owner Certification: DPR-28

Commercial Service Date: 11/30/72

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

<i>Code Category</i>	Quantity Inspected 1996 Outage	Quantity Previously Inspected, Third Interval	Quantity Scheduled, Third Interval	Percent of Third Interval Complete
B-A	15	0	16	94%
B-D	14	9	29	79%
B-F	2	11	35	37%
B-G-1	44	0	81	54%
B-G-2	13	31	109	40%
B-J	33	38	134	53%
B-K	3	0	5	60%
B-L-2	0	0	Per approved Relief Request No. B-1	N/A
B-M-2	13	5	Per approved Relief Request No. B-2	N/A
B-N-1	1	1	Each Period	N/A
B-N-2	Partial	Partial	1	N/A

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

Vermont Yankee Nuclear Power Corporation
Vermont Yankee Nuclear Power Station
Owner Certification: DPR-28
Commercial Service Date: 11/30/72

Components Inspected/Abstract of examinations
Sections 7 and 11

<i>Code Category</i>	Quantity Inspected 1996 Outage	Quantity Previously Inspected, Third Interval	Quantity Scheduled, Third Interval	Percent of Third Interval Complete
B-O	2	2	7	57%
C-A	0	1	4	25%
C-B	1	0	4	25%
C-C	8	5	14	93%
C-F-2	15	21	67	54%
D-A	2	15	11	57%
F-A	15	48	121	52%
F-Augmented, Class 2 thin wall	5	0	18	28%

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**Required by the Provisions of the ASME Code rules****Vermont Yankee Nuclear Power Corporation****Vermont Yankee Nuclear Power Station****Owner Certification: DPR-28****Commercial Service Date: 11/30/72****ABSTRACT OF CONDITIONS NOTED/CORRECTIVE MEASURES TAKEN**

Sections 12 and 13

Code Category	Item Identification	Conditions noted and corrective measures taken
B-A	RPV weld EF	Ultrasonic examination of RPV weld EF resulted in one indication that was not acceptable in accordance with ASME Section XI, IWB-3500 acceptance standards. The indication is located in plate 1-15 below the circumferential weld which joins plates 1-12 and 1-15. The indication is outside of the core region. In accordance with ASME Section XI, IWB-3600, this indication is acceptable for continued service. The evaluation is contained in Calculation Package YAEC-25Q-301 performed by Structural Integrity Associates, Inc.
B-N-2	RPV Core Shroud	During the 1995 outage at Vermont Yankee, cracking was identified in the RPV Core Shroud. In accordance with Generic Letter 94-03, tie rods were installed on the Core Shroud to provide propagation mitigation and structural enhancement.
C-C	HD-25 Integral Attachment	During surface examination of HD-25, indications were found that were related to original construction welding anomalies. These indications were of a nature that an acceptable surface preparation was not possible. The integral attachment surface examination was rejected and Sub Work Order 95-10153-04 was generated to perform the repair. After repair an acceptable surface examination was performed. Scope expansion was performed to include integral attachments RHR-HD8 and CS-HD89. The scope expansion examinations were acceptable.

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

Vermont Yankee Nuclear Power Corporation
Vermont Yankee Nuclear Power Station
Owner Certification: DPR-28
Commercial Service Date: 11/30/72

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

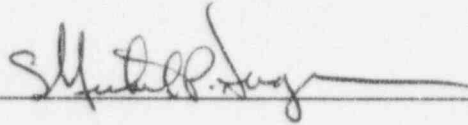
Code Category	Item Identification	Conditions noted and corrective measures taken
C-F-2	FW17-S5A Circumferential Piping Weld	Weld FW17-S5A was fabricated as a result of replacement of Feedwater check valve V2-27B. During Preservice surface examination, linear indications were found in the pipe base material. These indications were laps associated with the pipe fabrication process. The indications were removed by flapper wheel and an acceptable surface examination was performed.
F-A	HD-127E Spring Hanger	During VT-3 examination of HD-127E, the spring setting was found to be out of tolerance. Work Order 96-06009-00 was generated to reset the spring setting to the proper load. An acceptable VT-3 was performed after corrective action to verify the proper setting. Scope expansion was performed to include supports RHR-HD-127D, RHR-HD-127F and RHR-HD-127I. The scope expansion examinations were acceptable.

Vermont Yankee Nuclear Power Corporation

**1996 Form NIS-2 Owner's Summary Report
for
Repairs or Replacements**

May 3, 1995 through November 2, 1996

Prepared by:



Reviewed by:



Plant Inservice Inspection Coordinator

Approved by:



Project Engineering Manager

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

1. Owner Vermont Yankee Nuclear Power Corporation Date 11/2/1996
Name
R.D. 5, Box 169, Ferry Road, Brattleboro VT 05351 Sheet 1 of 9
Address
2. Plant Vermont Yankee Nuclear Power Station Unit 1
Name
P.O. Box 157, Governor Hunt Road, Vernon, VT 05354-0157 Address
3. Work Performed by Vermont Yankee Nuclear Power Corporation
Name
R.D. 5, Box 169, Ferry Road, Brattleboro VT 05351 Address
- Type Code Symbol Stamp No Code Symbol Stamp Required.
Authorization No. N/A
Expiration Date N/A
4. Identification of System See the attached table.
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 the attached table pages 3 through 9.
7. Description of Work See the attached table.
8. Test Conducted See the attached table.
9. Remarks See the attached table.

CERTIFICATE OF COMPLIANCE

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

Signed



E. V. Lindamood, Director of Engineering

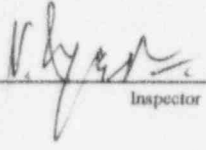
Date

27 Jan 19 97

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 Arkwright Mutual Insurance Company of Waltham, Massachusetts, have inspected the components described in this Owner's Data Report during the period May 6, 1995 to November 2, 1996 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 personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Signed 
Inspector

Date JAN 27, 1997

Commissions VT-350
National Board, State, Province, and Endorsements

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

Vermont Yankee Nuclear Power Plant Unit 1
P.O Box 157, Vernon, VT, 05354

Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
V2-27B	FW	Walworth	N/A	N/A	95-10395-00	1969	Replaced	No	Replaced Valve	System hydrostatic
V2-96B	FW	Walworth	N/A	N/A	95-10396-00	1969	Replaced	No	Replaced valve	System hydrostatic
V2-80A	MS	Rockwell	N/A	N/A	96-10336-08	1969	Repaired	No	Repaired seats and guides	System leakage
V2-80B	MS	Rockwell	N/A	N/A	96-08428-00	1969	Repaired	No	Repaired seats and guides	System leakage
V2-86A	MS	Rockwell	N/A	N/A	96-09243-00	1969	Repaired	No	Repaired valve seat	System leakage
V2-86D	MS	Rockwell	N/A	N/A	96-10305-00	1969	Repaired	No	Repaired valve seat	System leakage
V10-39A	RHR	Walworth	N/A	N/A	95-10386-30	1969	Repaired	No	Modified wedge guides	System leakage
V10-34A	RHR	Walworth	N/A	N/A	96-09738-00	1969	Repaired	No	Repaired valve seat	System leakage

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

Vermont Yankee Nuclear Power Plant Unit 1
P.O Box 157, Vernon, VT, 05354

Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
V11-12B	SLC	Powell	N/A	N/A	95-04999-00	1969	Repaired	No	Valve body bonnet face lapped	System leakage
V13-16	RCIC	Walworth	N/A	N/A	95-10386-26	1969	Repaired	No	Repaired valve seat	System leakage
V14-13A	CS	Rockwell	N/A	N/A	96-09510-00	1969	Repaired	No	Replaced disk pin	System leakage
V14-5A	CS	Walworth	3525345285	N/A	94-09933-00	1969	Repaired	No	Repaired valve guides	System leakage
V19-13A	FPC	Walworth	N/A	N/A	96-06990-00	1969	Replacement	No	Replaced disk	System leakage
V23-14	HPCI	Walworth	N/A	N/A	95-10386-55	1969	Repaired	No	Installed bonnet vent line	System leakage

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As Required by the Provisions of the ASME Code, Section XI, 1986 Edition, No Addenda

Vermont Yankee Nuclear Power Plant Unit 1
P.O Box 157, Vernon, VT, 05354

Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
V23-20	HPCI	Walworth	N/A	N/A	95-10386-24	1969	Repaired	No	Repaired seat, replaced stem, drilled wedge to prevent thermal lock	System leakage
V70-1B	SW	Walworth	N/A	N/A	96-06006-00	1969	Repaired	No	Performed weld buildup of hinge pin bores	System leakage
V70-7E	SW	Rex Chain Belt	N/A	N/A	95-06784-00	1969	Replaced	No	Valve replaced	System hydrostatic
V70-130A	SW	Velan	N/A	N/A	95-05082-00	1969	Replaced	No	Valve replaced	System hydrostatic
V78-2	FO	Walworth	N/A	N/A	94-12591-00	1969	Repaired	No	Installed new disc	System leakage

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Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
RV-2-71A	NB	Target Rock	N/A	N/A	96-01882-00	1969	Replaced	No	Replaced valve as part of Main Steam relief valve replace and rebuild program	System Inservice
RV-2-71B	NB	Target Rock	N/A	N/A	96-01881-00	1969	Replaced	No	Replaced valve as part of Main Steam relief valve replace and rebuild program	System Inservice
RV-2-71C	NB	Target Rock	N/A	N/A	96-01880-00	1969	Replaced	No	Replaced valve as part of Main Steam relief valve replace and rebuild program	System Inservice

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Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
RV-2-71D	NB	Target Rock	N/A	N/A	96-01879-00	1969	Replaced	No	Replaced valve as part of Main Steam relief valve replace and rebuild program	System Inservice
SV-2-70A	NB	Dresser	BL1134	N/A	96-01883-00	1969	Replaced	No	Replaced valve as part of Main Steam relief valve replace and rebuild program	System Inservice
SV-2-70B	NB	Dresser	BL1137	N/A	96-01884-00	1969	Replaced	No	Replaced valve as part of Main Steam relief valve replace and rebuild program	System Inservice

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Vermont Yankee Nuclear Power Plant Unit 1
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Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
S-11-14A	NB	Conax	N/A	N/A	96-01887-00	1969	Replaced	No	Replaced valve as part of squib valve replacement program	System Inservice
S-11-14B	NB	Conax	N/A	N/A	96-01888-00	1969	Replaced	No	Replaced valve as part of squib valve replacement program	System Inservice
8"SW-18B	SW	N/A	N/A	N/A	96-06369-02	1969	Replaced	No	Replaced section of pipe due to corrosion leak	System hydrostatic
12"SW-4A	SW	N/A	N/A	N/A	96-09254-00	1969	Replaced	No	Replaced section of pipe due to corrosion leak	System hydrostatic

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Vermont Yankee Nuclear Power Plant Unit 1
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Construction Code B31.1, 1967 Edition, No Addenda, No Code Case

Name of Component	System Identification	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification (Work Order No.)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped	Description of Work	Test Conducted
RPV Core Shroud	NB	General Electric/CBI	N/A	N/A	95-10371-00	1969	Repaired	No	Installed Core Shroud tie rods	VT-3