



Entergy Nuclear Operations, Inc.  
Vermont Yankee  
320 Governor Hunt Road  
Vernon, VT 05354  
Tel 802 257 7711

**Robert J. Wanczyk**  
Licensing Manager

BVY 12-010

February 1, 2012

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

SUBJECT: Vermont Yankee 2011 Summary Report –  
Inservice Inspection and Repair and Replacement  
Vermont Yankee Nuclear Power Station  
Docket No. 50-271  
License No. DPR-28

Dear Sir or Madam:

In accordance with IWA-4000 and ASME Code Case N-532-4, this letter provides a copy of the Inservice Inspection Summary Report for activities performed at the Vermont Yankee Nuclear Power Station for the period May 30, 2010 to November 2, 2011. Vermont Yankee hereby submits 2011 Form OAR-1, Owner Activity Report for Inservice Inspections. Vermont Yankee's fourth ten year Inservice Inspection interval began September 1, 2003.

There are no new regulatory commitments being made in this submittal.

If you have any questions concerning this submittal, please contact me at (802) 451-3166.

Sincerely,

A handwritten signature in black ink that reads "Robert J. Wanczyk".

[RJW/JTM]

Attachment: OAR-1, Owner Activity Report Through RFO 29 (5 pages)

cc listing (next page)

A047  
NRR

cc: William M. Dean, Region 1 Administrator  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

Mr. James S. Kim, Project Manager  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

USNRC Resident Inspector  
Vermont Yankee Nuclear Power Station  
320 Governor Hunt Road  
Vernon, VT 05354

Ms. Elizabeth Miller, Commissioner  
VT Department of Public Service  
112 State Street, Drawer 20  
Montpelier, VT 05620-2601



## Entergy Nuclear Vermont Yankee



### OAR-1

#### Owner Activity Report Through RFO 29

May 30, 2010 through November 2, 2011

Reviewed By: [Signature]  
Inservice Inspection / Repair Replacement Program Owner

Date: 1/19/12

Reviewed By: [Signature]  
Supervisor, Code Programs

Date: 1/23/12

Approved By: [Signature]  
Engineering Programs & Components Manager

Date: 1/31/12

# Form OAR-1 Owner's Activity Report

Report Number: 11-01-01

Plant: Entergy Nuclear Vermont Yankee

Unit No.: 1 Commercial service date: 11/30/1972 Refueling Outage no.: RFO 29

Current inspection interval: Fourth (4<sup>th</sup>)  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, other)

Current inspection period: Third (3<sup>rd</sup>)  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)

Edition and Addenda of Section XI applicable to the inspection plans: 1998 Edition, through 2000 Addenda


Date and revision of inspection plans: SEP-ISI-VTY-001 VTY Fourth Ten-Year Interval Inservice Inspection (ISI) Program Plan, Revision 5, 6/20/2011

Edition and Addenda of Section XI applicable to repair/replacement activities if different than the inspection plans: 2001 Edition, through 2003 Addenda for Repair & Replacement and Pressure Test Program

Code Cases used: ASME Code Case N-532-4  
(if applicable)

## Certificate of Conformance

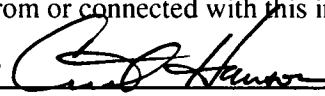
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of RFO 29 conform to the requirements of Section XI.  
(refueling outage number)

Signed: Norman L. Rademacher  Director of Engineering Date: 11/19/2012  
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 Vermont and employed by Hartford Steam Boiler of CT of Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Curt Hanson  Commissions NB11916 ABNT VT887  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 1/20/2012

### OAR-1 Table 1

#### Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service

Examination Category and Item Number	Item Description	Evaluation Description
F-A	Turbine Building Main Steam line D support MSH-110	CR-VTY-2011-4903: During an operator walkdown, two restraints on support MSH-112 (CR-VTY-2011-4758) found to have pulled out of a wall and off an overhead beam were repaired. Since turbine building main steam supports are part of an augmented ISI program the expanded scope included a VT-3 inspection of MSH-110. This support was found to have a ½" indication on the attachment weld to an overhead beam. Engineering evaluated this to leave as is.
C-C	CS-HD58A, Saddle to pipe weld MT indication	CR-VTY-2011-4029: There were several indications found on some of the tack welds attaching the saddle of support CS-HD58A to the pipe. These indications were determined to not affect the tack weld function to hold the saddle in place relative to the pipe, therefore could be left as is.
F-A	HPCI-HD35C, Hanger support rod in contact with cable tray	CR-VTY-2011-4120: The vertical support rod on hanger HPCI-HD35C was originally routed through a cable tray, requiring an opening to be created in the cable tray to allow for this configuration. The rod was found to be in contact with the cable tray but was evaluated as acceptable to leave as is based on no loss of material or wear on the rod.
F-A	RHR-H129, Restraint strut spherical bearing lacking freedom of movement	CR-VTY-2011-4121: The spherical bearing connection of support RHR-H129 was observed to be restricting the movement of the strut which was connected to the

**OAR-1 Table 1**

**Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service**

<b>Examination Category and Item Number</b>	<b>Item Description</b>	<b>Evaluation Description</b>
		adjacent wall. Engineering determined that the expected movement of this connection, taking thermal growth into account, allowed for enough movement for full functionality of this support.

**Table 2**

<b>ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE</b>				
<b>Code Class</b>	<b>Item Description</b>	<b>Description of Work</b>	<b>Date Completed</b>	<b>Repair/Replacement Plan Number</b>
3	"A" Diesel Generator, DG-1-1A	Weld repair of Service Water outlet bellows	7/10/2010	242589-01
3	3"SW-37A	Replaced piping spool piece	2/11/2011	177469-01
3	Valve V70-169A	Disc and stem replacement	10/13/2011	174904-01
3	Valve V70-169B	Disc and stem replacement	10/13/2011	174902-01
3	Pump P-85-1A	Replaced HPCI Lube Oil Pump	5/24/2011	51070740-01
2	Valve VG-23	Replaced valve internals and tack welded body to bonnet	10/28/2011	52295388-08
3	Valve SCH-1-2	Replaced compressor	6/8/2011	275838-01
3	Valve V70-206	Replaced valve	10/18/2011	243555-01
3	Valve V70-317B	Replaced due to flow restrictions inside valve causing surveillance failure	9/3/2011	289267-01
1	Snubber S/N 33787 (RR-2)	Replaced block valve and rod bushing	9/21/2011	175813-02
2	Snubber S/N- ADH-301-1597 (HPCI-HD103GN)	Replaced scored cylinder tube	9/21/2011	239011-02