



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 2, 2007

Mr. Theodore A. Sullivan  
Site Vice President  
Entergy Nuclear Operations, Inc.  
Vermont Yankee Nuclear Power Station  
320 Governor Hunt Road  
Vernon, VT 05354

SUBJECT: ANNUAL ASSESSMENT LETTER - VERMONT YANKEE NUCLEAR POWER  
STATION (REPORT 05000271/2007001)

Dear Mr. Sullivan:

On February 13, 2007, the NRC staff completed its performance review of Vermont Yankee Nuclear Power Station (Vermont Yankee). Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2006. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, Vermont Yankee operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix, based on one finding of low to moderate safety significance (White) in the Public Radiation Safety cornerstone. This finding involved a shipment of a package of contaminated equipment from Vermont Yankee that was not properly prepared and shipped in conformance with the Department of Transportation radiation level limitations. Although the surface of the package was not accessible to members of the public, the condition had the potential to adversely affect personnel receiving the package or responding to an incident involving the package. Therefore, in addition to the reactor oversight process (ROP) baseline inspections, we plan to conduct a supplemental inspection in accordance with inspection procedure 95001, within 180 days of notification by your staff of your readiness for this inspection. The objective of the supplemental inspection is to provide assurance that Entergy understands the root causes and contributing causes of the finding, identifies the extent of condition, and establishes corrective actions that are sufficient to prevent recurrence.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2008. In addition to the 95001 supplemental inspection and the ROP baseline inspections, we also plan to conduct independent spent fuel storage installation (ISFSI) inspections. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mr. Raymond J. Powell of my staff at 610-337-6967 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

David C. Lew, Director  
Division of Reactor Projects, Region I

Docket Nos. 50-271  
License Nos. DPR-28

Enclosure: Vermont Yankee Inspection/ Activity Plan

cc w/encl:

M. R. Kansler, President, Entergy Nuclear Operations, Inc.  
G. J. Taylor, Chief Executive Officer, Entergy Operations  
J. T. Herron, Senior Vice President  
C. Schwarz, Vice-President, Operations Support  
O. Limpas, Vice President, Engineering  
D. Mannai, Manager, Licensing, Vermont Yankee Nuclear Power Station  
Operating Experience Coordinator, Vermont Yankee Nuclear Power Station  
W. Maguire, General Manager, Plant Operations, Entergy Nuclear Operations, Inc.  
N. Rademacher, Director NSA, Vermont Yankee Nuclear Power Station  
J. F. McCann, Director, Licensing  
C. D. Faison, Manager, Licensing

M. J. Colomb, Director of Oversight, Entergy Nuclear Operations, Inc.  
Assistant General Counsel, Entergy Nuclear Operations, Inc.  
J. H. Sniezek, PWR SRC Consultant  
M. D. Lyster, PWR SRC Consultant  
S. Lousteau, Treasury Department, Entergy Services, Inc.  
D. O' Dowd, Administrator, Radiological Health Section, DPHS, DHHS, State of New Hampshire  
C. White, RRPT, CHP, Radiological Health, Vermont Department of Health  
Chief, Safety Unit, Office of the Attorney General, Commonwealth of Mass.  
D. Lewis, Pillsbury, Winthrop, Shaw, Pittman LLP  
G. D. Bisbee, Esquire, Deputy Attorney General, Environmental Protection Bureau  
J. Block, Esquire  
J. P. Matteau, Executive Director, Windham Regional Commission  
D. Katz, Citizens Awareness Network (CAN)  
R. Shadis, New England Coalition Staff  
G. Sachs, President/Staff Person, c/o Stopthesale  
J. Giarrusso, State Liaison Officer (SLO) Massachusetts Emergency Management Agency  
J. Volz, Chairman, Public Service Board, State of Vermont  
Chairman, Board of Selectman, Town of Vernon  
State of New Hampshire, SLO Designee  
State of Vermont, SLO

**Vermont Yankee**  
**Inspection / Activity Plan**  
**01/01/2007 - 06/30/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>4/30+EXM - INITIAL LICENSED OPERATOR EXAMS</b>		<b>3</b>			
1	U01667	FY07-VERMONT YANKEE INITIAL OPERATOR EXAM		04/09/2007	04/13/2007	Not Applicable
1	U01667	FY07-VERMONT YANKEE INITIAL OPERATOR EXAM		04/30/2007	05/11/2007	Not Applicable
	<b>LR-71002 - LICENSE RENEWAL INSPECTION</b>		<b>8</b>			
1	IP 71002	License Renewal Inspection		01/22/2007	01/26/2007	License Renewal Ins
1	IP 71002	License Renewal Inspection		02/05/2007	02/09/2007	License Renewal Ins
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>			
1	IP 7111105T	Fire Protection [Triennial]		03/12/2007	03/16/2007	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		03/26/2007	03/30/2007	Baseline Inspections
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/12/2007	03/16/2007	Baseline Inspections
	<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108G	Inservice Inspection Activities - BWR		05/21/2007	05/24/2007	Baseline Inspections
	<b>71002 - LICENSE RENEWAL FOLLOWUP</b>		<b>1</b>			
1	IP 71002	License Renewal Inspection		05/21/2007	05/25/2007	License Renewal Ins
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/21/2007	05/25/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/21/2007	05/25/2007	Baseline Inspections
	<b>92709 - STRIKE CONTINGENCY REVIEW</b>		<b>3</b>			
1	IP 92709	Licensee Strike Contingency Plans		07/01/2007	08/31/2007	Other Routine
	<b>95001 - TRANSPORTATION - WHITE FINDING</b>		<b>1</b>			
1	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		07/09/2007	07/13/2007	Supplemental Program
	<b>7112203 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		07/30/2007	08/03/2007	Baseline Inspections
	<b>MODS - MODS AND 50.59</b>		<b>3</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		08/06/2007	08/10/2007	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		08/06/2007	08/10/2007	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/27/2007	08/31/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/27/2007	08/31/2007	Baseline Inspections
	<b>71152B - PI&amp;R</b>		<b>4</b>			
1	IP 71152B	Identification and Resolution of Problems		10/22/2007	10/26/2007	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		10/29/2007	11/02/2007	Baseline Inspections
	<b>ISFSI - ISFSI INSPECTIONS</b>		<b>1</b>			
1	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating F		10/01/2007	11/30/2007	Other Routine

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Vermont Yankee**  
**Inspection / Activity Plan**

01/01/2007 - 06/30/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
1	IP 7112202	Radioactive Material Processing and Transportation		10/15/2007	10/19/2007	Baseline Inspections
	<b>7111401 - EP EXERCISE &amp; PI VERIFICATION</b>		<b>4</b>			
1	IP 7111401	Exercise Evaluation		10/15/2007	10/19/2007	Baseline Inspections
1	IP 71151-EP01	Drill/Exercise Performance		10/15/2007	10/19/2007	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		10/15/2007	10/19/2007	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		10/15/2007	10/19/2007	Baseline Inspections
	<b>71111.12 - MAINTENANCE RULE</b>		<b>1</b>			
1	IP 7111112B	Maintenance Effectiveness		11/05/2007	11/09/2007	Baseline Inspections
	<b>7111121 - CDBI</b>		<b>7</b>			
1	IP 7111121	Component Design Bases Inspection		04/28/2008	05/02/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		05/12/2008	05/16/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		05/19/2008	05/23/2008	Baseline Inspections

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2008. In addition to the 95001 supplemental inspection and the ROP baseline inspections, we also plan to conduct independent spent fuel storage installation (ISFSI) inspections and a license renewal aging management inspection. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

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Director, Division of Reactor Projects, Region I

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- S. Lousteau, Treasury Department, Entergy Services, Inc.

- D. O' Dowd, Administrator, Radiological Health Section, DPHS, DHHS, State of New Hampshire
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- J. Volz, Chairman, Public Service Board, State of Vermont
- Chairman, Board of Selectman, Town of Vernon
- State of New Hampshire, SLO Designee
- State of Vermont, SLO

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