

August 30, 2005

Mr. Jay K. Thayer  
Site Vice President  
Entergy Nuclear Operations, Inc.  
Vermont Yankee Nuclear Power Station  
P.O. Box 0500  
185 Old Ferry Road  
Brattleboro, VT 05302-0500

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - VERMONT  
YANKEE NUCLEAR POWER STATION

Dear Mr. Thayer:

On August 3, 2005, the NRC staff completed its performance review of Vermont Yankee Nuclear Power Station for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter was in the Regulatory Response column of the NRC's Action Matrix. This is based on one White (low to moderate safety significance) inspection finding in the Emergency Preparedness Cornerstone. All PIs indicated a performance level requiring no additional NRC oversight (Green). The White finding involved not establishing the means to provide early notification and clear instruction to the populace within the emergency planning plume exposure pathway. The NRC supplemental inspection for this issue evaluated the extent of condition, root cause, and corrective actions. This finding was closed as discussed in Inspection Report 05000271/2005007, dated July 11, 2005.

Additionally, on June 22, 2005, the staff issued a severity level III Notice of Violation, in accordance with the NRC's Enforcement Policy, for misplacing two irradiated fuel pieces and not conducting adequate inventories of the location of the fuel pieces. Information regarding the reason for the violation, corrective actions, and when Vermont Yankee achieved full compliance with the regulatory requirements for this issue are discussed in Notice of Violation EA-04-174 and Special Inspection Report 05000271/2004007, dated December 2, 2004.

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The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2007. 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 end-of-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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mr. Clifford Anderson of my staff at (610) 337-5227 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Brian E. Holian, Director  
Division of Reactor Projects

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.  
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J. T. Herron, Senior Vice President and Chief Operating Officer  
C. Schwarz, Vice-President, Operations Support  
O. Limpas, Vice President, Engineering  
J. M. DeVincentis, Manager, Licensing, Vermont Yankee Nuclear Power Station  
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J. F. McCann, Director, Licensing  
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M. J. Colomb, Director of Oversight, Entergy Nuclear Operations, Inc.  
T. C. McCullough, 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.  
Administrator, Bureau of Radiological Health, State of New Hampshire  
Chief, Safety Unit, Office of the Attorney General, Commonwealth of Mass.  
J. E. Silberg, 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  
M. Daley, New England Coalition on Nuclear Pollution, Inc. (NECNP)  
D. Katz, Citizens Awareness Network (CAN)  
R. Shadis, New England Coalition Staff  
G. Sachs, President/Staff Person, c/o Stopthesale  
Commonwealth of Massachusetts, SLO Designee  
State of New Hampshire, SLO Designee  
State of Vermont, SLO Designee  
Institute of Nuclear Power Operations (INPO)

Mr. Jay K. Thayer

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**SISP Review Complete: CJA (Reviewer's Initials)**

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OFFICE	RI/DRP		RI/DRP		RI/DRP				
NAME	APatel		CAnderson		BHolian				
DATE	08/10/05		08/30/05		08/30/05				

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**Vermont Yankee**  
**Inspection / Activity Plan**  
**08/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/08/2005	08/12/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/08/2005	08/12/2005	Baseline Inspections
	<b>71152B - PI&amp;R</b>		<b>5</b>			
1	IP 71152B	Identification and Resolution of Problems		09/12/2005	09/16/2005	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		09/26/2005	09/30/2005	Baseline Inspections
	<b>711112B - MAINTENANCE RULE</b>		<b>1</b>			
1	IP 711112B	Maintenance Effectiveness		10/03/2005	10/07/2005	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/26/2005	10/30/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/26/2005	10/30/2005	Baseline Inspections
	<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108G	Inservice Inspection Activities - BWR		10/31/2005	11/04/2005	Baseline Inspections
	<b>7112203 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		12/05/2005	12/09/2005	Baseline Inspections
	<b>71121 - OCC RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112102	ALARA Planning and Controls		01/09/2006	01/13/2006	Baseline Inspections
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/23/2006	01/27/2006	Baseline Inspections
	<b>711111B - LICENSED OPERATOR REQUAL PROGRAM</b>		<b>3</b>			
1	IP 711111B	Licensed Operator Requalification Program		08/21/2006	08/25/2006	Baseline Inspections
1	IP 711111B	Licensed Operator Requalification Program		08/28/2006	09/01/2006	Baseline Inspections
	<b>7111121 - SSD&amp;PC</b>		<b>6</b>			
1	IP 7111121	Safety System Design and Performance Capability		07/10/2006	07/14/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		07/24/2006	07/28/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		08/07/2006	08/11/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		08/14/2006	08/18/2006	Baseline Inspections
	<b>71114 - EP PRGM INSP &amp; PI VERIFICATION</b>		<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		08/07/2006	08/11/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		08/07/2006	08/11/2006	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/07/2006	08/11/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/07/2006	08/11/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/07/2006	08/11/2006	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/02/2006	10/06/2006	Baseline Inspections

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

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**Inspection / Activity Plan**  
**08/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112102	ALARA Planning and Controls		10/02/2006	10/06/2006	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/30/2006	11/03/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/30/2006	11/03/2006	Baseline Inspections
	<b>7111107B - HEAT SINK</b>		<b>2</b>			
1	IP 7111107B	Heat Sink Performance		11/27/2006	12/01/2006	Baseline Inspections
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		11/27/2006	12/01/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/27/2006	12/01/2006	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/08/2007	01/12/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		01/08/2007	01/12/2007	Baseline Inspections