



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

August 31, 2006

Mr. Theodore A. Sullivan
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. Sullivan:

On August 7, 2006, the NRC staff completed its performance review of Vermont Yankee Nuclear Power Station for the first half of the calendar year 2006 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 as "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 at Vermont Yankee was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan to conduct independent spent fuel storage installation (ISFSI) inspections and a license renewal aging management inspection.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. 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 me at (610) 337-6967 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Raymond J. Powell, Chief
Projects Branch 5
Division of Reactor Projects

Docket No. 50-271
License No. 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 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
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
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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
D. Katz, Citizens Awareness Network (CAN)
R. Shadis, New England Coalition Staff
G. Sachs, President/Staff Person, c/o Stopthesale
C. McCombs, Director, Commonwealth of Massachusetts, SLO Designee
State of New Hampshire, SLO Designee
State of Vermont, SLO Designee

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Sincerely,

/RA/

Raymond J. Powell, Chief
Projects Branch 5
Division of Reactor Projects

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SUNSI Review Complete: RJP (Reviewer's Initials)

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OFFICE	RI/DRP	RI/DRP	RI/DRP
NAME	NSieller	TWalker	RPowell
DATE	08/24/06	08/28/06	08/30/06

OFFICIAL RECORD COPY

Vermont Yankee
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	7111111B - L.O. REQUAL. PROG. + P/F REVIEW		3			
1	IP 7111111B	Licensed Operator Requalification Program		07/17/2006	07/21/2006	Baseline Inspections
1	IP 7111111B	Licensed Operator Requalification Program		07/24/2006	07/28/2006	Baseline Inspections
	7111121 - CDBI (COMPONENT DESIGN BASES INSPECTION)		6			
1	IP 7111121	Component Design Bases Inspection		07/10/2006	07/14/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		07/24/2006	07/28/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		08/07/2006	08/11/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		08/14/2006	08/18/2006	Baseline Inspections
	ISFSI - ISFSI INSPECTIONS		1			
1	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating F		08/01/2006	09/30/2006	Other Routine
	71114 - EP PRGM INSP & PI VERIFICATION		1			
1	IP 7111402	Alert and Notification System Testing		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/14/2006	08/18/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/14/2006	08/18/2006	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/02/2006	10/06/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/02/2006	10/06/2006	Baseline Inspections
	TI-169 - MSPI VERIFICATION		2			
1	IP 2515/169	Mitigating Systems Performance Index Verification		10/02/2006	11/30/2006	Safety Issues
	71121 - OCC RAD SAFETY		1			
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
	7111107B - HEAT SINK		1			
1	IP 7111107B	Heat Sink Performance		11/27/2006	12/01/2006	Baseline Inspections
	7112201 - PUB RAD SAFETY - RETS		1			
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
	71121 - OCC RAD SAFETY		1			
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
	LR-71002 - LICENSE RENEWAL INSPECTION		7			
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

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

Vermont Yankee
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	TRI FIRE	- TRIENNIAL FIRE PROTECTION INSPECTION	3			
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
	7112103	- OCC RAD SAFETY - INSTRUMENTS	1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/12/2007	03/16/2007	Baseline Inspections
	5/7+EXM	- INITIAL LICENSED OPERATOR EXAMS	2			
1	U01667	FY07-VERMONT YANKEE INITIAL OPERATOR EXAM		04/09/2007	04/13/2007	Not Applicable
1	U01667	FY07-VERMONT YANKEE INITIAL OPERATOR EXAM		05/07/2007	05/18/2007	Not Applicable
	7111108G	- INSERVICE INSPECTION	1			
1	IP 7111108G	Inservice Inspection Activities - BWR		05/21/2007	05/24/2007	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
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
	7112203	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		07/30/2007	08/03/2007	Baseline Inspections
	7111117B	- MODS AND 50.59	3			
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
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/20/2007	08/24/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/20/2007	08/24/2007	Baseline Inspections
	7111401	- EP EXERCISE & PI VERIFICATION	4			
1	IP 7111401	Exercise Evaluation		10/08/2007	10/12/2007	Baseline Inspections
1	IP 71151-EP01	Drill/Exercise Performance		10/08/2007	10/12/2007	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		10/08/2007	10/12/2007	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		10/08/2007	10/12/2007	Baseline Inspections
	71152B	- PI&R	4			
1	IP 71152B	Identification and Resolution of Problems		10/22/2007	10/26/2007	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		11/05/2007	11/09/2007	Baseline Inspections
	ISFSI	- ISFSI INSPECTIONS	1			
1	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating F		10/01/2007	11/30/2007	Other Routine
	7112202	- PUB RAD SAFETY - RADWASTE	1			
1	IP 7112202	Radioactive Material Processing and Transportation		10/15/2007	10/19/2007	Baseline Inspections
	71111.12	- MAINTENANCE RULE	1			
1	IP 7111112B	Maintenance Effectiveness		11/05/2007	11/09/2007	Baseline Inspections

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