



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

March 3, 2008

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

**SUBJECT: ANNUAL ASSESSMENT LETTER – VERMONT YANKEE NUCLEAR POWER
STATION (REPORT 05000271/2008001)**

Dear Mr. Sullivan:

On February 14, 2008, the U.S. Nuclear Regulatory Commission (NRC) staff completed its performance review of the 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, 2007. 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 security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone 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 for 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.

While plant performance for the most recent quarter was within the Licensee Response column of the Action Matrix, there was a finding of low to moderate safety significance (White) in the Public Radiation Safety cornerstone affecting the first three quarters of the assessment cycle. This finding involved the shipment of a package of contaminated equipment from Vermont Yankee on August 31, 2006, 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. The NRC has completed a supplemental inspection in accordance with inspection procedure 95001. The results of that inspection were provided in NRC Supplemental Inspection Report 05000271/2007009. As a result of that review, this finding was closed and was no longer considered for plant assessment purposes, effective October 1, 2007.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2009. In addition to baseline inspections, we plan on conducting an independent spent fuel storage installation (ISFSI) 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.

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 Raymond J. Powell 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

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

Enclosure: Vermont Yankee Inspection/Activity Plan

cc w/encl:

Vice President, Operations, Entergy Nuclear Operations
Senior Vice President, Entergy Nuclear Operations
Vice President, Oversight, Entergy Nuclear Operations
Senior Manager, Nuclear Safety & Licensing, Entergy Nuclear Operations
Senior Vice President and COO, Entergy Nuclear Operations
Assistant General Counsel, Entergy Nuclear Operations
Manager, Licensing, Entergy Nuclear Operations
G. Edwards
S. Lousteau, Treasury Department, Entergy Services, Inc.
D. O' Dowd, Administrator, Radiological Health Section, DPHS, State of New Hampshire
W. Irwin, Chief, 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

T. Sullivan

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cc w/encl:

J. P. Matteau, Executive Director, Windham Regional Commission

D. Katz, Citizens Awareness Network (CAN)

J. Block, Esquire

R. Shadis, New England Coalition Staff

G. Sachs, President/Staff Person, c/o Stopthesale

J. Volz, Chairman, Public Service Board, State of Vermont

Chairman, Board of Selectman, Town of Vernon

C. Pope, State of New Hampshire, SLO

D. O'Brien, State of Vermont, SLO

J. Giarrusso, SLO, MEMA, Commonwealth of Massachusetts

U. Vanags, State Nuclear Engineer, Vermont Department of Public Service

S. Shaw

Institute of Nuclear Power

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David C. Lew, Director
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SUNSI Review Complete: BAB (Reviewer's Initials)

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T. Sullivan

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Vermont Yankee
Inspection / Activity Plan
01/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	ISFSI	- ISFSI INSPECTIONS	1			
1	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants		01/28/2008	10/31/2008	Other Routine
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		01/28/2008	10/31/2008	Other Routine
	71152	- PI&R SAMPLE - HPCI/RCIC FLOW OSCILLATION	1			
1	IP 71152-Reviews	In-depth Reviews		03/10/2008	03/14/2008	Baseline Inspections
	TI 171	- TI 171	3			
1	IP 2515/171	VERIFICATION OF SITE SPECIFIC IMPLEMENTATION OF B.5.B PHASE 2 & 3 MITIGATING STRATEGIES		04/07/2008	04/11/2008	Generic Safety Inspectio
	7111111B	- L.O REQUAL INSPECTION	3			
1	IP 7111111B	Licensed Operator Requalification Program		07/21/2008	07/25/2008	Baseline Inspections
	MODS	- PERMANENT PLANT MODIFICATIONS	4			
1	IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		05/19/2008	05/23/2008	Baseline Inspections
1	IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		06/02/2008	06/06/2008	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/19/2008	05/23/2008	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/04/2008	08/08/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/04/2008	08/08/2008	Baseline Inspections
	7111107B	- HEAT SINK	2			
1	IP 7111107B	Heat Sink Performance		09/08/2008	09/12/2008	Baseline Inspections
	71122.02	- PUB RAD SAFETY - RADWASTE	1			
1	IP 7112202	Radioactive Material Processing and Transportation		10/06/2008	10/10/2008	Baseline Inspections
	2/9 EXM	- INITIAL OPERATOR LICENSING EXAMS	4			
1	U01743	FY09 - VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM		01/12/2009	01/16/2009	Not Applicable
1	U01743	FY09 - VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM		02/09/2009	02/20/2009	Not Applicable
	EP	- EP PROGRAM INSPECTION	1			
1	IP 7111402	Alert and Notification System Testing		10/05/2008	10/10/2008	EP Baseline Inspection
1	IP 7111403	Emergency Response Organization Augmentation Testing		10/05/2008	10/10/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/05/2008	10/10/2008	EP Baseline Inspection
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		10/05/2008	10/10/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		10/05/2008	10/10/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		10/05/2008	10/10/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		10/05/2008	10/10/2008	Baseline Inspections
	7111108	- INSERVICE INSPECTION	1			
1	IP 7111108G	Inservice Inspection Activities - BWR		10/20/2008	10/24/2008	Baseline Inspections

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

Vermont Yankee
Inspection / Activity Plan
01/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71121	- OCC RAD SAFETY	2			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/27/2008	10/31/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/27/2008	10/31/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		10/27/2008	10/31/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		10/27/2008	10/31/2008	Baseline Inspections
	7112201	- PUB RAD SAFETY - RETS	1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		12/01/2008	12/05/2008	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/02/2009	03/06/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/02/2009	03/06/2009	Baseline Inspections
	71152B	- PI&R BIENNIAL TEAM	4			
1	IP 71152B	Identification and Resolution of Problems		04/06/2009	04/10/2009	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		04/20/2009	04/24/2009	Baseline Inspections
	71122.03	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		05/18/2009	05/22/2009	Baseline Inspections
	EP EXER	- EP EXERCISE INSPECTION	2			
1	IP 7111401	Exercise Evaluation		06/07/2009	06/13/2009	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/07/2009	06/13/2009	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		06/07/2009	06/13/2009	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		06/07/2009	06/13/2009	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		06/07/2009	06/13/2009	Baseline Inspections

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