



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

September 1, 2010

Mr. Michael Colomb
Site Vice President
Entergy Nuclear Operations, Inc.
Vermont Yankee Nuclear Power Station
Vernon, VT 05354

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

Dear Mr. Colomb:

On August 12, 2010, the Nuclear Regulatory Commission (NRC) staff completed its performance review of the Vermont Yankee Nuclear Power Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2009, through June 30, 2010. The purpose of this letter is to inform you of the results 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 Related Information" will include the security cornerstone review and resultant inspection plan.

Safety performance at Vermont Yankee for the most recent quarter 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. In addition, we plan to continue enhanced oversight of Entergy's performance relative to addressing issues associated with the onsite ground water contamination, as described in the ROP Deviation Memorandum dated April 5, 2010 (ML100960321)¹. Reviews and inspections related to the Deviation Memorandum are currently ongoing and will continue through calendar year 2010. We will evaluate the need for continuing this enhanced oversight for calendar year 2011 based on the status of Entergy's actions to address the onsite ground water contamination.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. In addition to the baseline inspections, an inspection related to the operation of the independent spent fuel storage facility is scheduled. 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

¹ Designation in parentheses refers to an Agencywide Documents Access and Management System (ADAMS) accession number. Documents referenced in this letter are publicly-available using the accession number in ADAMS.

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 Part 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 Donald Jackson at 610-337-5306 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Marc L. Dapas
Acting Regional Administrator
Region I

Docket Nos. 50-271
License No. DPR-28

Enclosure: Vermont Yankee Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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/RA/
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Acting Regional Administrator
Region I

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OFFICE	RI/DRP	RI/DRP	R1/DRP	RI/ORR
NAME	TSetzer/ TCS	DJackson/ TCS for	JClifford/ JWC	MDapas/ MLD
DATE	08/ 26 /10	08/ 26 /10	08/ 30 /10	08/ 30 /10

*See prior concurrence

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Vermont Yankee
Inspection / Activity Plan
07/01/2010 - 12/31/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			ISFSI - ANNUAL SAMPLE - ISFSI INSPECTION		1
1	01/01/2010	12/31/2010	IP 60855	Operation Of An ISFSI	
			DFI - DEMAND FOR INFORMATION RESPONSE REVIEW		2
1	04/05/2010	12/31/2010	IP 71152	Identification and Resolution of Problems	
			7111111B - REQUAL INSP WITH P/F RESULTS		3
1	08/16/2010	08/20/2010	IP 7111111B	Licensed Operator Requalification Program	
			TI-177 - MANAGING GAS ACCUMULATION IN ECCS		2
1	07/12/2010	07/16/2010	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			11/29EXM - INITIAL OPERATOR LICENSING EXAM		5
1	11/01/2010	11/05/2010	U01791	FY11- VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
1	11/29/2010	12/10/2010	U01791	FY11- VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
			EP PROGR - EP PROGRAM INSPECTION		1
1	08/15/2010	08/20/2010	IP 7111402	Alert and Notification System Testing	
1	08/15/2010	08/20/2010	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	08/15/2010	08/20/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	08/15/2010	08/20/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	08/15/2010	08/20/2010	IP 71151-EP01	Drill/Exercise Performance	
1	08/15/2010	08/20/2010	IP 71151-EP02	ERO Drill Participation	
1	08/15/2010	08/20/2010	IP 71151-EP03	Alert & Notification System	
			71124 - GROUNDWATER TEAM INSPECTION		1
1	08/09/2010	09/10/2010	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION		3
1	09/13/2010	09/17/2010	IP 7111105T	Fire Protection [Triennial]	
1	09/27/2010	10/01/2010	IP 7111105T	Fire Protection [Triennial]	
			71124 - HP INSPECTION - ACCESS & ALARA		1
1	09/13/2010	09/17/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/13/2010	09/17/2010	IP 71124.02	Occupational ALARA Planning and Controls	
			71124 - RW TRANSPORTATION / ISFSI & PI		1
1	10/18/2010	10/22/2010	IP 60855	Operation Of An ISFSI	
1	10/18/2010	10/22/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	10/18/2010	10/22/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/18/2010	10/22/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			71124 - RETS INSPECTION		1
1	11/15/2010	11/19/2010	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	

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

Vermont Yankee
Inspection / Activity Plan
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71152B - PI&R		4
1	04/04/2011	04/08/2011	IP 71152B	Identification and Resolution of Problems	
1	04/18/2011	04/22/2011	IP 71152B	Identification and Resolution of Problems	
			EP EX - EP EXERCISE EVALUATION		4
1	05/02/2011	05/06/2011	IP 7111401	Exercise Evaluation	
1	05/02/2011	05/06/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	05/02/2011	05/06/2011	IP 71151-EP01	Drill/Exercise Performance	
1	05/02/2011	05/06/2011	IP 71151-EP02	ERO Drill Participation	
1	05/02/2011	05/06/2011	IP 71151-EP03	Alert & Notification System	
			71124 - HP-DOSE / REMP / ISFSI		1
1	05/23/2011	05/27/2011	IP 60855	Operation Of An ISFSI	
1	05/23/2011	05/27/2011	IP 71124.04	Occupational Dose Assessment	
1	05/23/2011	05/27/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			7111121 - CDBI		6
1	06/06/2011	06/10/2011	IP 7111121	Component Design Bases Inspection	
1	06/20/2011	06/24/2011	IP 7111121	Component Design Bases Inspection	
1	06/27/2011	07/01/2011	IP 7111121	Component Design Bases Inspection	
			71124 - HP-ACCESS / ALARA / PI VERIFICATION		1
1	10/03/2011	10/07/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/03/2011	10/07/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/03/2011	10/07/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/03/2011	10/07/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			7111108G - INSERVICE INSPECTION		1
1	10/10/2011	10/14/2011	IP 7111108G	Inservice Inspection Activities - BWR	

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